



Asian Development Bank

IN.202-13

15 August 2013

Quarterly Summary Report on Approved  
(A) Project Preparatory Technical Assistance Not  
Exceeding \$1,500,000; (B) Technical Assistance  
Projects Not Exceeding \$225,000; and  
(C) Technical Assistance Cluster Subprojects  
(April–June 2013)

**QUARTERLY SUMMARY REPORT ON APPROVED (A) PROJECT PREPARATORY  
TECHNICAL ASSISTANCE NOT EXCEEDING \$1,500,000; (B) TECHNICAL ASSISTANCE  
PROJECTS NOT EXCEEDING \$225,000; AND (C) TECHNICAL ASSISTANCE CLUSTER  
SUBPROJECTS (April—June 2013)<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) PROJECT PREPARATORY TECHNICAL ASSISTANCE NOT EXCEEDING \$1,500,000</b>				
1	8364-AZE	Renewable Energy Development (Biomass Cogeneration)	1,000.0	8-May-13
2	8128-BAN	Coastal Towns Infrastructure Improvement (Supplementary)	500.0	12-Mar-13
3	8154-BAN	Irrigation Management Improvement Investment Program (Supplementary)	275.0	10-Apr-13
4	8365-IND	Clean Energy Finance Investment Program	225.0	9-May-13
5	8374-IND	Madhya Pradesh Power Transmission and Distribution System Improvement	750.0	30-May-13
6	7865-KAZ	Astana Light Rail Transit (Supplementary)	151.0	14-May-13
7	8346-NEP	Third Small Towns Water Supply and Sanitation Sector	1,100.0	5-Apr-13
8	8371-PAK	Jamshoro Power Generation	225.0	27-May-13
9	8390-PHI	Local Government Finance and Fiscal Decentralization Reform Program	1,000.0	10-Jun-13
10	8362-PNG	Strategic Program for Climate Resilience Implementation	750.0	2-May-13
11	8303-PRC	Xinjiang Akesu Integrated Urban Development and Environment Improvement (Supplementary)	250.0	19-Jun-13
12	8349-PRC	Gansu Jinta Concentrated Solar Power	550.0	8-Apr-13
13	8352-PRC	Henan Value Chain and Products Safety Demonstration	600.0	8-Apr-13
14	8363-PRC	Xinjiang Tacheng Border Cities and Countries Development	750.0	7-May-13
15	8381-PRC	Gansu Baiyin Urban Development II	600.0	17-Jun-13
16	8383-PRC	Chemical Industry Energy Efficiency and Emission Reduction	700.0	17-Jun-13
17	8393-SRI	Green Power Development and Energy Efficiency Improvement Investment Program	700.0	25-Jun-13
18	8373-TAJ	Central Asia Regional Economic Cooperation Corridors 3 and 5 Enhancement	600.0	29-May-13
19	7917-UZB	Amu Bukhara Irrigation System Rehabilitation (Supplementary)	225.0	8-May-13
20	8372-UZB	Samarkand Solar Power	750.0	29-May-13
21	8376-UZB	Advanced Electricity Metering Phase 2	750.0	5-Jun-13
22	7926-VIE	Water Resources Development in the Mid- and Northeast Red River Delta (Supplementary)	450.0	22-May-13

<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.

Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
23	6501-REG	Expanding the Implementation of the Energy Efficiency Initiative in Developing Member Countries (Supplementary)	200.0	25-Feb-13
24	7459-REG	Greater Mekong Subregion Biodiversity Conservation Corridors (Supplementary)	150.0	24-May-13
<b>(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000</b>				
25	8347-CAM	Strengthening Knowledge Solutions II - Supporting the Government's Planning Cycle	225.0	3-Apr-13
26	8350-CAM	Enhancing Project Implementation Capacity and Effectiveness	225.0	3-Apr-13
27	7252-IND	Capacity Development to Enhance Project Readiness and Results Monitoring for Transport Projects (Supplementary)	225.0	5-Jun-13
28	8380-TAJ	Strengthening Tajikistan's Trade and Investment Regime	225.0	24-May-13
29	8064-TIM	Second District Capitals Water Supply (Supplementary)	200.0	19-Jun-13
30	8100-TUV	Institutional Strengthening of the Ministry of Finance and Economic Development (2nd Supplementary)	54.3	20-May-13
31	6470-REG	Managing Water in Asia's River Basins: Charting Progress and Facilitating Investment (Supplementary)	70.0	28-Jan-13
32	6518-REG	Promoting Inclusive Growth through Business Development at the Base of the Pyramid (Supplementary)	50.0	17-May-13
33	7329-REG	Promoting Access to Renewable Energy in the Pacific (Supplementary)	100.0	15-May-13
34	7813-REG	Coastal and Marine Resources Management in the Coral Triangle - Southeast Asia (Supplementary)	200.0	19-Apr-13
35	8065-REG	Enhancing ADB's Engagement in Fragile and Conflict-Affected Situations (Supplementary)	121.3	30-May-13
36	8160-REG	Central Asia Regional Economic Cooperation: Midterm Review of the Transport and Trade Facilitation Strategy and Implementation Action Plan (Supplementary)	225.0	2-Apr-13
37	8348-REG	Loan Accounting and Servicing Seminars and eC-LAS Enhancement for DMCs	200.0	3-Apr-13
38	8368-REG	ADB and UNESCAP's Asia-Pacific Trade Facilitation Forum 2013	200.0	13-May-13
39	8382-REG	Sustainable Hydropower in Asia Publication	225.0	28-May-13
<b>(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS</b>				
40	8116-IND	Advanced Project Preparedness for Poverty Reduction - Detailed Design for the SASEC Subregional Road Connectivity (Subproject 25) (Supplementary)	370.0	29-May-13

<b>Seq. No.</b>	<b>TA No.</b>	<b>TA Name</b>	<b>Amount (\$'000)</b>	<b>Date Approved</b>
41	8351-IND	Advanced Project Preparedness for Poverty Reduction - Second Power Sector Investment for Assam (Subproject 28)	750.0	11-Apr-13

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

### **TA-8364-AZE: Renewable Energy Development (Biomass Cogeneration)**

<b>Executing Agency</b>	:	State Agency on Alternative and Renewable Energy Sources
<b>TA Amount (\$'000)</b>	:	1,000.0
<b>Business Opportunities Listing</b>	:	31 July 2013
<b>Date Approved</b>	:	8 May 2013

The Project objective is to promote renewable energy development in Azerbaijan through developing two pilot renewable energy projects (biomass) with a total installed capacity of 20 megawatts for electricity and heating supply in Oghuz and Beylagan regions. The project impact will be increased renewable energy generation and supply in Azerbaijan. The project outputs consist of the following components: (i) construction of two biomass generation plants in Oghuz and Beylagan regions; (ii) construction of heating supply systems in Oghuz and Beylagan regions; and (iii) project implementation support comprising project management and supervision, safeguards compliance, and capacity building for the executing agency. The TA is necessary to prepare the Project in a timely manner to meet the investment needs in Azerbaijan. It will address the need to prepare a feasibility study to undertake due diligence required to process a loan for the Project and to prepare tender documents for the procurement.

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

### **TA-8128-BAN: Coastal Towns Infrastructure Improvement (Supplementary)**

<b>Executing Agency</b>	:	Local Government Engineering Department
<b>TA Amount (\$'000)</b>	:	500.0
<b>Business Opportunities Listing</b>	:	18 April 2012
<b>Date Approved</b>	:	12 March 2013

The TA was approved on 6 August 2012 and became effective on 19 December 2012. The Project will take a holistic approach to address the infrastructure and governance constraints to sustainable development in coastal towns, and will serve to pilot new approaches in climate change adaption and natural disaster risk reduction. It will continue the good practices of performance-based development from the first and second Urban Governance and Infrastructure Improvement (Sector) Projects, and reflect lessons learned from TA 7197 Strengthening Resilience of the Water Sector in Khulna to Climate Change, TA 7848 Climate Change Capacity Building and Knowledge Management, and recommendations from TA 7890 Strengthening the Resilience of the Urban Water Supply, Drainage, and Sanitation to Climate Change in Coastal Towns. The additional cost for capacity building support to project towns is to be funded by this increase in the total TA amount.

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

### **TA-8154-BAN: Irrigation Management Improvement Investment Program (Supplementary)**

<b>Executing Agency</b>	:	Bangladesh Water Development Board
<b>TA Amount (\$'000)</b>	:	275.0
<b>Business Opportunities Listing</b>	:	1 November 2012
<b>Date Approved</b>	:	10 April 2013

The TA will address due diligence requirements for the ensuing multitranche financing facility (MFF) and support investments to prepare Project 1 of the MFF. The Irrigation Management Improvement Investment Program aims to improve efficiency and sustainability of water management in irrigation schemes in Bangladesh. It will introduce private sector participation in the management of large scale irrigation schemes through a public-private partnership (PPP) approach. The additional funds are required to: (i) increase project readiness and Bangladesh Water Development Board capacity, particularly regarding PPP contract procurement and administration; and (ii) support further exposure of government agencies and farmers through a study tour to other developing countries where PPP models in irrigation have been successfully developed.

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

#### **TA-8365-IND: Clean Energy Finance Investment Program**

**Executing Agency** : Indian Renewable Energy Development Agency Limited (IREDA)  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 15 May 2013  
**Date Approved** : 9 May 2013

The TA is required to carry out the technical, financial, economic, and safeguards due diligence of IREDA and the sample subprojects. The Clean Energy Finance Investment Program (the Program) is a MFF in the nature of a financial institution loan with sovereign guarantee by India, which will support the IREDA to obtain longer tenor funds for on-lending to sub-borrowers for renewable energy (RE) and energy efficiency (EE) projects for up to 15 years. This Program will support IREDA in financing such projects which are otherwise eligible for ADB financing, but could not be directly financed due to their smaller sizes ranging between \$5 million to \$15 million. Outputs will include a large number of investment subprojects for generation of RE using sources such as wind, biomass, hydro, solar, and cogeneration, and projects for improving demand-side EE. The impact of the Program will be clean energy and energy efficiency gains contribute to energy security in India. The outcome of the Program will be enhanced availability of long-term financing for RE and EE projects in India. This would be achieved through the following outputs by 2020: (i) increased investment by the private sector in RE and EE subprojects; (ii) improved institutional capacity of IREDA for subproject appraisal; and (iii) enhanced capacity of IREDA to borrow internationally.

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

#### **TA-8374-IND: Madhya Pradesh Power Transmission and Distribution System Improvement**

**Executing Agency** : Department of Energy, Government of Madhya Pradesh  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 11 July 2013  
**Date Approved** : 30 May 2013

Madhya Pradesh (MP) Transco and distribution companies have prepared a detailed project proposal (DPR), outlining the requirements of new transmission and distribution assets, and their cost estimates. The DPR has been approved by the MP Energy Department and submitted for approval of the Ministry of Power of the Central Government and Department of Economic Affairs (DEA). However, the depth and coverage of technical justification, and financial, and

economic analyses of the DPR is inadequate to meet the ADB standards of project due diligence. The analyses presented by the transmission and distribution companies need to be critically reviewed and updated. Moreover, social and environmental safeguards are not covered in the DPR, and additionally, a detailed sector analysis is required to meet the ADB requirements. The TA resources will be used to conduct these additional analyses and prepare the project documents for ADB approval. The main output of the TA will be a project feasibility report which includes: (i) MP power sector assessment (ii) updated problem tree analysis and design and monitoring framework; (iii) project description and detailed cost estimates; (iv) economic and financial analyses; and (v) initial environmental examinations, environmental management plans, and resettlement plans. Outputs also include a feasibility report on solar irrigation in MP and a presentation on solar irrigation to Ministry of Power and DEA.

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

#### **TA-7865-KAZ: Astana Light Rail Transit (Supplementary)**

**Executing Agency** : Astana Light Rail Transit LLP  
**TA Amount (\$'000)** : 650.0  
**Business Opportunities Listing** : 13 March 2013  
**Date Approved** : 11 March 2013

The Project will promote urban mobility and improve quality of life, thereby supporting inclusive growth in the fast-growing Astana City in the Republic of Kazakhstan. It will support the construction of a part of the Light Rail Transit (LRT) and multimodal public transport systems which the Government of Kazakhstan plans to construct during 2013-2020. The LRT system will introduce modern tram in Kazakhstan and provide a holistic solution for integrated urban mobility, having a demonstration value and potential for replication as no modern transit system currently exists in the country. Due to the Expo 2017 in Astana, the government considered a realignment of the project scope. The new project alignment is a combination of sections of former phase 1 and portions of former phases 2 and 3. Government requested ADB loan to finance an 8 to 10 kilometer section starting from the university and crossing the city center. After consultation with Astana Light Rail Transit, the scope of necessary additional project preparatory activities and due diligence required have been determined. The increase in TA amount will accommodate the additional scope of work for: (i) environmental specialists (international and national), (ii) social and resettlement specialists (international and national), and (iii) gender specialist.

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

#### **TA-8346-NEP: Third Small Towns Water Supply and Sanitation Sector**

**Executing Agency** : Ministry of Urban Development  
**TA Amount (\$'000)** : 1,100.0  
**Business Opportunities Listing** : 22 May 2013  
**Date Approved** : 5 April 2013

Following the First and the Second Small Towns Water Supply and Sanitation Sector Projects (the earlier projects), the Third Small Towns Water Supply and Sanitation Sector Project (the Project) will support the ongoing efforts of the Government of Nepal to further improve water supply and sanitation service delivery in small towns in Nepal. The TA will leverage the experience gained from the earlier projects, and incorporate lessons learned to prepare for the Project. It will assist the Government in amending the Development Plan, preparing cost estimates and financing plan and the feasibility studies of the sample subprojects, with a special focus on structuring and refining the project design, including rationale, modality, appraisal,

financing, implementation and institutional arrangements, and developing eligibility and evaluation criteria for future subproject selection in close consultation with the government and ADB. Upon finalizing the project modality, the TA will prepare the project, following ADB's due diligence requirements. The project outputs include: (i) improved water supply and sanitation infrastructure; (ii) improved institutional capacity and project implementation platform; and (iii) improved financing mechanism for infrastructure investments.

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

#### **TA-8371-PAK: Jamshoro Power Generation**

**Executing Agency** : Generation Holding Company Limited  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 9 July 2013  
**Date Approved** : 27 May 2013

The TA will contribute to the processing of the Jamshoro Power Generation Project loan by preparing: (i) an Environmental Impact Assessment (EIA); (ii) technical due diligence reports; (iii) contracting strategy; and (iv) bidding documents. Key activities include field visits to Jamshoro and Lahore, and finalization of EIA and technical due diligence reports and bidding documents. The impact of the TA will be enhanced energy supply reliability in Pakistan. The outcome will be completed project due diligence.

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

#### **TA-8390-PHI: Local Government Finance and Fiscal Decentralization Reform Program**

**Executing Agency** : Department of Interior and Local Government  
**TA Amount (\$'000)** : 1,000.0  
**Business Opportunities Listing** : 16 July 2013  
**Date Approved** : 10 June 2013

The Program aims to improve service delivery in the Philippines by increasing the efficiency and transparency of local governance and financial management systems. It stresses the reform linkages between local economic development and transparent and participatory governance. The programmatic approach will provide the flexibility needed to translate structural reforms into measurable policy actions. The TA will provide the required technical and logistical resources to assist the government-led review of the Local Government Code (LGC). Considering the interconnected nature of the main elements of the system of intergovernmental fiscal relations, the LGC review needs to include assessments and policy recommendations with respect to the structure of the system, including expenditure and revenue assignments, the system of fiscal transfers and local government unit (LGU) borrowing powers. The TA will promote fiscal sustainability by strengthening local revenue frameworks. It includes support for the: (i) assessment of the impact of national tax incentives on local government revenues and economic growth; and (ii) development of a financing framework for LGU alliances that assists joint service delivery. The TA will also contribute to the strengthening of local public financial management systems by assisting the development of bankruptcy procedures for LGUs.

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

#### **TA-8362-PNG: Strategic Program for Climate Resilience Implementation**

**Executing Agency** : Office of Climate Change and Development



**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 31 July 2013  
**Date Approved** : 2 May 2013

The proposed administration of grant, Strategic Program for Climate Resilience (SPCR) Implementation Project (the Project) aims to make Papua New Guinea's development investments climate resilient and support the country's transition to climate compatible development, as outlined in its national medium- and long-term development strategies. The Project will facilitate integration of climate resilience into development processes through: (i) enhanced access to financial resources dedicated to climate change adaptation; (ii) development and dissemination of knowledge products and adaptation tools; (iii) better understanding of climate change vulnerabilities and adaptation options; (iv) increased adaptive capacity at the sectoral, national, district, and community levels, thereby building climate resilient communities, addressing climate change risks to food security; and (v) development of climate-resilient infrastructure – all prerequisites for effective social development, food security, and poverty reduction. The TA will undertake due diligence of the Project and assist the implementing agencies in evaluating the viability of potential climate change adaptation interventions, including sector impact analyses, assessment of policy and institutional issues and mechanisms, initial design of implementation arrangements, and preparation of detailed designs and bidding documents.

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

**TA-8303-PRC: Xinjiang Akesu Integrated Urban Development and Environment Improvement (Supplementary)**

**Executing Agency** : Government of Xinjiang Uygur Autonomous Region  
**TA Amount (\$'000)** : 250.0  
**Business Opportunities Listing** : 26 June 2013  
**Date Approved** : 19 June 2013

The Project aims to improve the urban environment and promote the economic development of Akesu City, Xinjiang Uygur Autonomous Region, the People's Republic of China. It is a multisectoral and integrated urban upgrading project that will address urgent environmental and infrastructure needs, including the: (i) upgrading of peri-urban areas through the construction of urban road and extension of urban services networks; and (ii) strengthening the institutional capacity for sustainable urban development, planning, and management of Akesu Municipal Government (AMG). The TA was first approved on 18 December 2012, and based on the findings from pre-TA studies performed by the AMG, additional work is proposed to conduct a rapid assessment of the Duolang wetland and design the wetland rehabilitation component. The additional work financed by this increase in TA amount includes: (i) assessment and economic valuation of the Duolang wetland and its ecosystem services; and (ii) design of the wetland component rehabilitation and sustainable use.

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

**TA-8349-PRC: Gansu Jinta Concentrated Solar Power**

**Executing Agency** : China Huadian Corporation  
**TA Amount (\$'000)** : 550.0  
**Business Opportunities Listing** : 16 July 2013  
**Date Approved** : 8 April 2013

The Project will develop a 50 megawatt (MW) Concentrated Solar Power (CSP) plant in Jinta County, Gansu Province in the People's Republic of China (PRC). This is one of the four first generation utility-scale CSP demonstration plants to be built in the PRC. The TA will undertake due diligence and provide guidance to the project developer to prepare the Project for potential ADB lending assistance. The impact will be expanded share of CSP plants in the renewable energy mix in the PRC. The outcome will be successful demonstration of the utility scale CSP plant with thermal storage in Gansu Province. The outputs will be: (i) construction and commissioning of the first generation 50 MW demonstration CSP plant with thermal storage including a natural gas back-up system in Gansu Province; and (ii) technical risks and capacity development and training in CSP design, procurement, construction, and operation and management to mitigate identified technical risks.

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

#### **TA-8352-PRC: Henan Value Chain and Products Safety Demonstration**

**Executing Agency** : Henan Provincial Government (HPG)  
**TA Amount (\$'000)** : 600.0  
**Business Opportunities Listing** : 10 July 2013  
**Date Approved** : 8 April 2013

The Project aims at demonstrating a model for safe livestock value chain in 16 project counties in Henan province by helping: (i) 16 medium and large private livestock production and/or processing enterprises in Henan province, project participating enterprises, adopt a circular livestock production system; and (ii) the HPG establish food quality monitoring and testing system. The TA will: (i) assess the project's technical, economic and financial feasibility; (ii) assess safeguards requirements; (iii) conduct social survey and consultations for poverty, social and gender analysis; (iv) prepare project documents according to ADB's requirements; (v) assist the HPG in revising domestic feasibility studies and improving safeguard documents in line with ADB's and the government's requirements; and (vi) conduct training and capacity development.

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

#### **TA-8363-PRC: Xinjiang Tacheng Border Cities and Countries Development**

**Executing Agency** : Government of Xinjiang Uygur Autonomous Region  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 10 July 2013  
**Date Approved** : 7 May 2013

The proposed project aims to enhance the living conditions of urban residents of Tacheng City, and of E'min, Tuoli, and Yumin counties, in the Xinjiang Uygur Autonomous Region, PRC. It is a multisectoral and integrated urban upgrading project that will address urgent infrastructure needs, including (i) rehabilitation of the Kalanguer urban river corridor and provision of wind-break tree screening; (ii) upgrading of peri-urban areas through construction of urban road and associated utility infrastructure; (iii) provision of new urban infrastructure services to Baktu Liaota New Area (Tacheng City); and (iv) strengthening the institutional capacity for sustainable urban development, planning, and management of Tacheng Municipal Government. The expected project impact is improved living conditions through socially inclusive and environmentally sustainable urbanization in Tacheng City and county cities of E'min, Tuoli, and Yumin. The intended project outcome is improved urban environmental infrastructure and municipal services in these areas. The project is multisectoral and technically complex, requiring full-scale due diligence in technical, economic, financial, social, resettlement, environmental,

and institutional aspects through the TA. The TA will develop a project suitable for ADB funding, in conjunction with the country partnership strategy, sectoral and operational experience, international best practices, and lessons learned from previous projects.

**Status of Consulting Services** : Phase 1 consultant's work is ongoing.

#### **TA-8381-PRC: Gansu Baiyin Urban Development II**

**Executing Agency** : Baiyin Municipal Government  
**TA Amount (\$'000)** : 600.0  
**Business Opportunities Listing** : 24 June 2013  
**Date Approved** : 17 June 2013

The Project will invest in key urban infrastructure and services to: (i) provide efficient water service for drinking and industrial processing; (ii) provide wastewater treatment to improve water management, environment, and locals' quality of life; (iii) strengthen vocational education and training capacity; (iv) enhance road safety and traffic management in central urban district; and (v) enhance environmental management for industrial transformation. The main project area is located in the poverty-stricken Jingyuan county and includes one of the seven strategic industrial bases that comprise the Lanbai Core Economic Zone. The impact of the project will be inclusive and environmentally sustainable urban development in Baiyin. The expected outcome will be accelerated industrial transformation and economic diversification in Baiyin. The TA is needed to define the scope of the proposed project. The objectives of the overall TA are to: (i) design the project suitable for ADB financing by identifying the most appropriate project components and providing innovative idea, management approach, and technology to effectively contribute to the designed project impact; (ii) review proposed project components based on detailed due diligence assessment on industrial sector demand, technical, economic and financial, governance, safeguards, poverty and social, and project risks; (iii) provide trainings to the executing and implementing agencies, and other relevant stakeholders, to increase institutional capacity on project development and implementation procedures; and (iv) formulate measures to ensure long-term sustainability of project facilities, by improving the management and governance capacity of executing and implementing agencies.

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

#### **TA-8383-PRC: Chemical Industry Energy Efficiency and Emission Reduction**

**Executing Agency** : China National Chemical Corporation Group  
**TA Amount (\$'000)** : 700.0  
**Business Opportunities Listing** : 25 June 2013  
**Date Approved** : 17 June 2013

The Project will support demonstration of innovative technologies to improve energy efficiency and reduce emissions of pollutants from various plants belonging to the China National Chemical Corporation Group (ChemChina). Building up on the lessons learned from previous successful ADB loans in Anhui, Guangdong, Shandong, and Hebei provinces, this Project proposes for the first time to directly cooperate with a large state-owned enterprise to support industry-specific measures. It will also develop an innovative financing structure to leverage commercial cofinancing and mainstream energy service company (ESCO) participation from the beginning of project implementation. The innovative financing structure will be developed and firmed up during the early stage of the TA implementation. The TA will be implemented in two parts. The first part will (i) firm up an innovative ESCO financing structure and the overall implementation arrangements; and (ii) given the environmental sensitivity of the proposed

subprojects, will carry out technical risks assessment and firm up associated safeguard requirements. The second part will then (i) undertake a comprehensive economic, financial, safeguard, and technical due diligence, (ii) carry out necessary financial management and procurement capacity assessments, and (iii) strengthen capacity of the executing and implementing agencies in ADB procurement guidelines and other aspects.

**Status of Consulting Services** : Recruitment of consultants is being processed.  
**TA-8393-SRI: Green Power Development and Energy Efficiency Improvement Investment Program**

**Executing Agency** : Ministry of Power and Energy  
**TA Amount (\$'000)** : 700.0  
**Business Opportunities Listing** : 10 July 2013  
**Date Approved** : 25 June 2013

The Government's development framework envisions sustainable development of energy resources, enabling access to and use of energy services by the entire population, and reliable delivery of such services at a competitive price. To achieve the goal of meeting the growing demand for electricity at sufficiently low cost and acceptable reliability to widen access to growth opportunities and attain sustainability in the long term, the Government plans to increase supply capacity of the system through raising share of renewable energy sources (e.g., hydro, wind, etc.), reducing total technical and commercial losses of the transmission and distribution networks, and undertaking energy efficiency and conservation measures. To address investment needs in support of these plans, the TA is needed to prepare a relevant investment program for consideration by the Asian Development Bank (ADB) and other financiers. The TA will also support an implementing agency in ensuring project readiness. In addition to a detailed engineering design and preparation of relevant bidding documents for the proposed hydropower plant being undertaken by a consulting firm, TA consultants will assist the implementing agency in finalizing detailed design and preparation of procurement packaging and bidding documents for transmission and medium voltage subprojects to be financed under the first tranche of the investment program as part of advance contracting activities.

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

**TA-8373-TAJ: Central Asia Regional Economic Cooperation Corridors 3 and 5 Enhancement**

**Executing Agency** : Ministry of Transport  
**TA Amount (\$'000)** : 500.0  
**Business Opportunities Listing** : 10 July 2013  
**Date Approved** : 29 May 2013

The Government of Tajikistan has requested ADB assistance for the Central Asia Regional Economic Cooperation (CAREC) Corridors 3 and 5 Enhancement Project which is important for national road network connectivity, particularly in the Khatlon Province, and for the socio-economic development of the country. Additional work will be required to continue due diligence for the project design and improvement of preliminary engineering design for the 89-kilometer (km) asphalt concrete overlay and 88-km road rehabilitation, and to undertake preparatory work for project implementation. In this regard, the TA will be provided to produce a mutually agreeable project suitable for ADB financing. The TA consultants will build on existing project information to improve feasibility study and preliminary engineering design, prepare bidding documents and conduct bid evaluations. The TA, among other tasks, will address the following aspects relating to the ensuing project: (i) updated capacity assessment of the

executing agency and suggested measures to minimize procurement and financial management risks; (ii) proposed project procurement plan and relevant bidding documents; and (iii) indicative implementation schedule with proposed sequencing of consultant recruitment and procurement bidding and awarding.

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

#### **TA-7917-UZB: Amu Bukhara Irrigation System Rehabilitation (Supplementary)**

**Executing Agency** : Ministry of Agriculture and Water Resources (MAWR)  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 30 April 2013  
**Date Approved** : 8 May 2013

Through the project, ADB will continue to help the Government raise agricultural productivity and rural incomes in a sustainable manner, and help meet rural nonfarm industries' and communities' demand for water, which is increasing as a result of the Rural Development Strategy. The proposed project is aligned with ADB's long-term strategic framework for 2008-2020, which recognizes that irrigation and water management are core areas for infrastructure investment and that tackling climate change is essential to securing sustainable development. The TA was first approved on 15 November 2011 to prepare an investment project for the rehabilitation of the Amu Bukhara Irrigation System. The original TA completion date of 30 November 2012 was extended twice: (i) until 31 March 2013 to allow for a more concrete scope of the proposed investment project discussed at the final workshop; and (ii) until 30 November 2013 to give time for the local design institute: (a) to assist in the preparation of the local feasibility study; and (b) to obtain clearances of the local feasibility study by various government agencies. The increase in TA amount will finance supplementary works resulting from MAWR's new request to revise the design discharge capacity of the new Khamza pump station from 105 cubic meters per second ( $\text{m}^3/\text{s}$ ), as originally prepared by the consultant, to 80-85  $\text{m}^3/\text{s}$ . MAWR stated that the design discharge of 80-85  $\text{m}^3/\text{s}$  for the new Khamza pump station will be sufficient considering the past discharge records of both existing Khamza 1 and its auxiliary pump stations.

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

#### **TA-8372-UZB: Samarkand Solar Power**

**Executing Agency** : Uzbekenergo  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 3 June 2013  
**Date Approved** : 29 May 2013

The Project aims to increase renewable energy generation and reduce greenhouse gas emissions in Uzbekistan. It has three main components: (i) construction of a 100 megawatt grid-connected crystalline photovoltaic power plant with single axis tracking system; (ii) institutional capacity building on solar energy, and (iii) project management and supervision support. The Project's impact is improved energy security in Uzbekistan, and the outcome is increased renewable energy generation. The TA is necessary on the following grounds: (i) the Project is the first of its kind in Uzbekistan and in Central Asia, and is urgently needed and needs to be prepared in a short period of time; (ii) the Government is keen to invest in the Project but the executing agency has no experience and no capacity in designing and in implementing this pioneering large-scale grid-connected solar photovoltaic project; and (iii) there is a need for expertise from international and national consultants to undertake the pre-

implementation works, and build the executing agency's capacity, considering the Project's demonstration and replication potential.

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

#### **TA-8376-UZB: Advanced Electricity Metering Phase 2**

**Executing Agency** : Uzbekenergo  
**TA Amount (\$'000)** : 750.0  
**Business Opportunities Listing** : 16 July 2013  
**Date Approved** : 5 June 2013

Following the progress of ADB financing on Advanced Electricity Metering Project, this phase 2 project will replicate and expand the advanced electricity metering (AEM) system that uses modern, accurate, and theft-proof revenue meters for the power grid system and the end-user in five new regions (Andijan, Ferghana, Kashkadarya, Namangan, and Surkhandarya). The Project will help improve energy efficiency in the power distribution sector, by reducing commercial losses and improving the efficiency of electricity revenue collection. Its impact will be a power sector that is more financially viable. AEM will help improve energy efficiency and ensure that the energy used is properly accounted for and billed. The Project will improve metering accuracy, anti-tampering and fault-detection capability, billing efficiency, and the tariff collection rate. Given the ensuing phase 2 loan project is a scaling-up project based on phase 1, the TA, among other tasks, will adequately address the following aspects relating to the ensuing loan project: (i) review the lessons learned from phase 1 in terms of AEM architecture design for possible improvements, system compatibility with the phase 1 project, and procurement method, (ii) enhance executing agency capacity to minimize procurement and financial management risks, and (iii) prepare indicative implementation schedule with proposed sequencing of consultant recruitment and procurement bidding and awarding.

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

#### **TA-7926-VIE: Water Resources Development in the Mid- and Northeast Red River Delta (Supplementary)**

**Executing Agency** : Ministry of Agriculture and Rural Development  
**TA Amount (\$'000)** : 450.0  
**Business Opportunities Listing** : 12 May 2011  
**Date Approved** : 22 May 2013

Using development models refined under water resources infrastructure improvement projects in Viet Nam, the Project will improve irrigation and drainage infrastructure on approximately 10 water resources control schemes, covering about 50,000 ha in four provinces of the northeast portion of the Red River Delta (Bac Ninh, Bac Giang, Vinh Phuc and Phu Tho provinces). The objective of the Project is to raise rural incomes and reduce poverty through increased agricultural production and consequent increased employment opportunities. In addition to physical infrastructure upgrading works, the Project will also promote economic development through associated rural development support activities; promote the sustainability of improved systems through participatory irrigation management and the training of personnel of irrigation and drainage management companies; and strengthen the cadre of personnel engaged in water resources infrastructure improvement and management. The TA was originally approved on 24 November 2011 and became effective on 14 March 2012. The revised TA completion date is on 31 December 2013 after it was extended twice. The additional funding was granted to supplement the TA and augment the terms of engagement of the current team of consultants.

The impact and outcome of the project will remain the same but the project area will be expanded to include selected provinces in the southern Red River Basin. The loan processing approach shall be changed from project loan to sector loan modality in designing and implementing subprojects. Accordingly, the scope of the TA work will also be expanded to include due diligence necessary for preparing a sector loan.

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

**TA-6501-REG: Expanding the Implementation of the Energy Efficiency Initiative in Developing Member Countries (Supplementary)**

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 200.0  
**Business Opportunities Listing** : 22 February 2010  
**Date Approved** : 25 February 2013

The TA was first approved on 10 November 2008 to: (i) expand ADB's clean energy program in Afghanistan, Bangladesh, Cambodia, Lao PDR, Mongolia and Uzbekistan; and (ii) build greater capacity to develop clean energy projects in ADB's operations departments. To support ADB's 2009 Energy Policy implementation, the TA has provided substantial funding and technical support to clean energy activities initiated and implemented by the operational departments. It has been instrumental in increasing ADB's annual clean energy investments which reached \$2.1 billion in 2011 and around \$2 billion in 2012. The TA also supports the implementation of the Clean Energy Financing Partnership Facility. The increase in TA amount is for co-sponsorship funds for the 8<sup>th</sup> and 9<sup>th</sup> Asia Clean Energy Forums (ACEFs) under this TA. Through the ACEFs, about 500 participants from the region and beyond share practical knowledge about what works in the key areas of energy access, clean energy technology, policy and regulation, finance, and how the stakeholders can work together to accelerate low carbon energy in the region.

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

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

**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 150.0  
**Business Opportunities Listing** : 8 April 2013  
**Date Approved** : 24 May 2013

The ongoing Biodiversity Conservation Corridor Initiative (BCI) is the flagship program of the Core Environment Program of the Greater Mekong Subregion (GMS) endorsed by the GMS Leaders at the Second GMS Summit in July 2005. The intended outcome of BCI implementation is that by 2015, GMS countries will endeavor to maintain and improve the cover, condition, and biodiversity of forestlands and associated ecosystems in priority biodiversity conservation landscapes intersecting ADB supported GMS economic corridors. The TA was originally approved on 17 December 2009 to prepare the GMS Biodiversity Corridors Conservation (BCC) projects in Cambodia, Lao People's Democratic Republic and Viet Nam. The TA comprises: (i) an updated situational and stakeholder analysis in the target BCC initiative ecosystems in Cambodia, Lao PDR and Viet Nam; and (ii) design of investment project and feasibility study. The impact of the GMS BCC Project is to achieve climate resilient sustainable forest ecosystems benefiting local livelihoods. The project outcome is sustainably managed biodiversity corridors in Cambodia, Lao PDR and Viet Nam. The additional financing for the Viet Nam component will be utilized to (i) review and reaffirm the scope of the proposed

project as represented in the project identification form; (ii) prepare gap analysis identifying stakeholders needs, incentives, technical capacities and practices; (iii) confirm cofinancing arrangements with baseline projects; (iv) identify implementation arrangements for the Project; (v) prepare project baseline data; and (vi) formulate the Project following Global Environment Facility and ADB requirements.

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



**(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000****TA-8347-CAM: Strengthening Knowledge Solutions II – Supporting the Government's Planning Cycle**

<b>Type of Technical Assistance</b>	:	Policy and Advisory
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	1 August 2013
<b>Date Approved</b>	:	3 April 2013

The expected impact of the TA is improved effectiveness of the Government of Cambodia's overall development policy formulation, consistent with the Government's ongoing National Strategic Development Plan 2009-2013 and the preparation of the next planning cycle 2014-2018. The outcome will be a series of medium to long term strategy and planning documents to guide Government policy making, and also to underpin the Cambodia-ADB partnership through integration into the ADB Country Partnership Strategy 2014-2018. The key outputs of the TA include a set of reports, recommendations and related stakeholder consultation activities to: (i) produce macroeconomic projections and analysis to underpin the planning documents and related plan targets and indicators; (ii) support a coherent set of planning documents endorsed by the Government; (iii) support various elements of the strategy and planning product preparation processes as required; and (iv) ensure coordination of the analytical inputs of other development partners into the overall planning process. The TA will also provide support to the Supreme National Economic Council to serve as the coordinator and secretariat for the preparation of these planning and strategy products.

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

**TA-8350-CAM: Enhancing Project Implementation Capacity and Effectiveness**

<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>	:	19 July 2013
<b>Date Approved</b>	:	3 April 2013

The expected impact of the TA is the effective utilization of external funding. The outcome is improved portfolio performance of externally-funded projects. The TA will support the Government to develop executing agency (EA) capacity and skills to: (i) mainstream procedures and practices to align with Government standard operating procedures; (ii) strengthen EA capacity in procurement, financial management and overall project management; and (iii) document lessons learned derived from the dialogue, and experiences drawn from the TA. The outcome will be measured against progress of 18 key portfolio indicators in the Joint Country Portfolio Performance matrix. As the TA is relatively limited and given the relatively short implementation period, sustainability of TA outcomes will be determined by the quality of inputs (trainers), targeting of participants, and quality of training materials developed during the course of the TA, as well as other factors such as the capacity of Government institutions and staff as well as commitment from key stakeholders.

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

### **TA-7252-IND: Capacity Development to Enhance Project Readiness and Results Monitoring for Transport Projects (Supplementary)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Department of Economic Affairs
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	26 February 2009
<b>Date Approved</b>	:	5 June 2013

The TA, first approved on 18 March 2009, provides assistance to improve project readiness in transport infrastructure projects and enhance capacity in tracking progress during project implementation. The TA has been successful in assisting project executing agencies (PEAs) in environment, social development, resettlement, procurement and economic aspects in all India Transport projects. Therefore, additional funding was required to keep up the momentum of the growing transport sector portfolio in India. This will not change the TA's objectives but will be crucial in continuing to develop the capacity of PEAs to enhance project readiness, and strengthen project implementation in the transport sector given the additional processing for the new loan.

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

### **TA-8380-TAJ: Strengthening Tajikistan's Trade and Investment Regime**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Ministry of Economic Development and Trade
<b>TA Amount (\$'000)</b>	:	225.0
<b>Business Opportunities Listing</b>	:	2 October 2012
<b>Date Approved</b>	:	24 May 2013

ADB has been requested by the Tajikistan Government for support in the conduct of three key activities: (i) an international trade and investment conference to show that Tajikistan is Open for Business; (ii) policy research and analysis on organizational reform of the Standards Agency (Tajikstandart); and (iii) capacity-building on policy and regulatory reforms to effect organizational change and tackle technical barriers to trade. These activities were discussed during an ADB consultation mission on 3-5 March 2013 and deemed crucial to Tajikistan compliance with its World Trade Organization (WTO) commitments and to its ability to ensure the country fully benefits from WTO accession and membership. The activities are also consistent with the strategic framework of the Tajikistan Country Partnership Strategy (CPS 2010-2014). Specifically, the TA activities will support CPS operational priorities in developing the private sector and improving public services, particularly for traders. The activities also support broader objectives in regional cooperation and integration and governance. The TA will build on the work of other donor-funded WTO-related initiatives, including USAID's Regional Trade Liberalization and Customs Project, the EU project on Technical Assistance to Support the Tajik Ministry of Economic Development and Trade in the WTO Accession Process, and USAID's Regional Economic Cooperation Project.

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

### **TA-8064-TIM: Second District Capitals Water Supply (Supplementary)**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Ministry of Infrastructure
<b>TA Amount (\$'000)</b>	:	200.0

**Business Opportunities Listing** : 21 June 2013  
**Date Approved** : 19 June 2013

Originally approved as a project preparatory TA on 26 March 2012, its planned outcome is the identification of investments which will allow the National Directorate for Water Supply to provide safe and reliable water supply to selected district capitals. However, the Government has subsequently taken a cautious approach to sovereign borrowing, and has limited borrowing to roads sector investments. As the country was no longer eligible for ADB grants, the Government indicated its wish to consider private sector financing through public-private partnership for the proposed urban sector project. Through continuous regular dialogue between the Government and ADB, the Government has requested ADB to implement the TA with amended scope: (i) to support the development of a water supply and sanitation investment master plan for selected district capitals; (ii) to assess, through the master plans, demand for improved water supply and sanitation services in target district centers over the next 20 years; (iii) to identify appropriate and sustainable investments to meet the urban water supply and sanitation needs of the population, including special measures for pro-poor access to basic service; and (iv) to assess the potential for private sector involvement in the delivery of water supply and sanitation services. The increase in TA amount will fund major change in scope for additional component on sanitation activities, among others.

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

**TA-8100-TUV: Institutional Strengthening of the Ministry of Finance and Economic Development (2<sup>nd</sup> Supplementary)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Ministry of Finance and Economic Planning (MFED)  
**TA Amount (\$'000)** : 54.3  
**Business Opportunities Listing** : 6 June 2013  
**Date Approved** : 20 May 2013

The objective of the TA, originally approved on 29 June 2012, is improved public financial management and public enterprise performance, leading to demonstrated improvements in the 2014 country performance assessment ratings for macroeconomic management and fiscal policy. The three outputs of the TA are: (i) improved human resource reform in the MFED; (ii) implementation of the capacity development plan for the public enterprise reform and monitoring unit; and (iii) procurement policy approved by cabinet. For output one, the TA worked closely with the different departments within MFED to develop an overarching corporate plan for the Ministry. The Development Coordinating Committee (DCC), in discussing MFED's new corporate plan, noted that it would significantly improve the Government's capacity to monitor and evaluate the progress and performance of MFED and its individual departments. In light of this, the Committee that the DCC's chairman discuss with ADB the possibility of extending the corporate planning exercise to all Ministries. The increase in TA amount will finance additional consulting services for the implementation of the additional TA activities.

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

**TA-6470-REG: Managing Water in Asia's River Basins: Charting Progress and Facilitating Investment (Supplementary)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 70.0

**Business Opportunities Listing** : 7 October 2008  
**Date Approved** : 28 January 2013

The TA was first approved on 10 July 2008. The increase in TA amount will make available additional resources to implement an innovative online training course on river basin management and environmental management. The proposed online capacity development program will extend access to state-of-the-art knowledge on integrated water resources management. The online capacity building program will support ADB's Water Operational Plan to promote accelerated adoption and implementation of IWRM approaches in ADB-financed projects in the region.

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

**TA-6518-REG: Promoting Inclusive Growth through Business Development at the Base of the Pyramid (Supplementary)**

**Type of Technical Assistance** : Research and Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 50.0  
**Business Opportunities Listing** : 18 February 2008  
**Date Approved** : 17 May 2013

The TA was approved on 16 December 2008. It aimed to facilitate the development of viable enterprises (inclusive business, IB) that create jobs and fill the needs of the lower income groups (or those at the base of the pyramid) for essential goods and services. To date, the RETA was able to deliver market scoping studies for selected Asian countries; national and regional investment forums that facilitated knowledge exchange and business partnerships; and several other studies that can guide the creation of an investment facility for IB. A supplemental financing of \$50,000 was approved in May to support *Impact Forum2013*<sup>2</sup> as an additional activity of the TA's Component 3: Advocacy and Knowledge Development. ADB's participation at the Forum on 14-15 June provided further momentum to the Bank's work on social enterprises and IB, and opened up possibilities for partnerships. The TA's completion date was extended to 31 October 2013. This extension will allow the use of the TA's savings for a 2<sup>nd</sup> regional forum on IB, and some start up activities for the development of IB in the Philippines. The timing is expected to support a smooth transition to a new TA which will be financed by Swedish International Development Cooperation Agency (SIDA) and Credit Suisse.

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

**TA-7329-REG: Promoting Access to Renewable Energy in the Pacific (Supplementary)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 100.0  
**Business Opportunities Listing** : 12 May 2009  
**Date Approved** : 15 May 2013

The TA was originally approved on 11 August 2009. It aims to increase the use of sustainable, safe, reliable, and affordable renewable energy in three Pacific developing member countries: Papua New Guinea, Solomon Islands, and Vanuatu. The increase in TA amount will fund an additional component to assess potential financing sources for the development of renewable

---

<sup>2</sup> The Impact Forum is Asia's largest annual meeting dedicated to connecting impact investors, social enterprises and ecosystem partners to share challenges and opportunities.

energy resource. In-country experience suggests that governments are keen to reduce electricity costs to citizens through renewable energy support, but are unaware of financing options, in particular self-sustainable and private sector lending options. The Scaling-Up Renewable Energy Program Pacific regional component will address this knowledge gap with the design of a knowledge product that identifies renewable energy financing options.

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

**TA-7813-REG: Coastal and Marine Resources Management in the Coral Triangle – Southeast Asia (Supplementary)**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 200.0  
**Business Opportunities Listing** : 4 November 2010  
**Date Approved** : 19 April 2013

The TA will result in the increased resilience of coastal and marine ecosystems and human communities in the Coral Triangle Southeast Asia, covering Indonesia, Malaysia, and the Philippines. It will support the introduction of more effective management of coastal and marine resources, and those associated with coral reef ecosystems, to build their resilience in a period of increased threats from climate change and human-induced impacts, maintaining ecosystem integrity and productivity and ensuring the improved socioeconomic status of coastal communities. Since the TA's first approval on 18 May 2011, ADB has secured this increase in TA amount to provide as additionality to the base investment program for Coral Reef Rehabilitation and Management Project-Coral Triangle Initiative, and will supplement base project activities in protecting and mainstreaming globally important, rare, threatened and endangered biodiversity.

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

**TA-8065-REG: Enhancing ADB's Engagement in Fragile and Conflict-Affected Situations (Supplementary)**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 121.3  
**Business Opportunities Listing** : 6 June 2013  
**Date Approved** : 30 May 2013

First approved on 29 March 2012, the TA supports the continued implementation of ADB's approach to fragile and conflict-affected areas (FCAS), and is aimed at helping ADB's FCAS developing member countries build effective institutions that will support their peace-building and state-building efforts. The members of the Fragile and Conflict-Affected Situations Steering Committee endorsed six pilot initiatives in Afghanistan, Marshall Islands, Nepal, Papua New Guinea, and Timor-Leste to be implemented by interested regional departments and the Economics and Research Department. The additional financing is for a minor change in implementation arrangement to support organization of a Forum on Building Resilience to Fragility in Asia and the Pacific (Forum). As an ADB commitment to Asian Development Fund XI donors, in particular to Australia, an Operational Plan (OP) for Enhancing ADB's Effectiveness in FCAS has been approved by the management on 9 April 2013. To support implementation of the OP, the Forum was jointly hosted by ADB and the Australian Agency for International Development in June.

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

**TA-8160-REG: Central Asia Regional Economic Cooperation: Midterm Review of the Transport and Trade Facilitation Strategy and Implementation Action Plan (Supplementary)**

**Type of Technical Assistance** : Policy and Advisory  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 225.0  
**Business Opportunities Listing** : 9 July 2012  
**Date Approved** : 2 April 2013

The purpose of the TA, originally approved on 14 September 2012, is to undertake a midterm review of the Central Asia Regional Economic Cooperation (CAREC) program. The review is composed of two outputs: (i) comprehensive stock-take report on the implementation progress of the CAREC Transport and Trade Facilitation Strategy and Implementation Action Plan; and (ii) an updated strategy and action plan based on the findings of the stock-take report. To successfully realize these outputs, a significant amount of consultations with the CAREC national focal points of the ten member countries is required during the first phase of the TA implementation. Due to the nature of the program, there are immovable deadlines in the project schedule because of the demands related to the annual cycle of CAREC meetings, culminating in a ministerial conference in late 2013, wherein the final outputs of the midterm review will be presented and endorsed. Thus as the project continues to move forward, the additional funding will enable additional staffing resources required to provide outputs to supplement the topics outlined in the TA scope, particularly with respect to: (i) regional railway corridors; (ii) intermodal connectivity between roads, railways, and ports; and (iii) enhancing private sector participation and investment in provision of infrastructure and associated services.

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

**TA-8348-REG: Loan Accounting and Servicing Seminars and eC-LAS Enhancement for DMCs**

**Type of Technical Assistance** : Capacity Development  
**Executing Agency** : Asian Development Bank  
**TA Amount (\$'000)** : 200.0  
**Business Opportunities Listing** : 2 August 2013  
**Date Approved** : 3 April 2013

The TA is expected to finance about 13-15 seminars for an estimated 300-350 participants to be conducted during the period from 2013 to 2015. Target participants will be finance and accounting staff of borrowers/EAs, mainly from ministries of finance, central banks, other related central government offices and EAs of new ADB projects. Where available, ADB's resident mission staff will be invited as facilitators. The seminars aim to: (i) provide participants with an opportunity to familiarize themselves with the ADB's loan terms, features, and accounting/servicing practices and procedures; and (ii) enhance participants' capacity to manage loan portfolio and debt servicing through the use of tools and resources available from Enhanced Calculator for Loan Accounting and Servicing (eC-LAS) and Loan Accounting and Servicing (LAS) website. They will cover the following major topics: (i) ADB loan terms and features; (ii) ADB loan accounting/servicing practices and procedures; (iii) use of the eC-LAS; and (iv) ADB's LAS website.

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

**TA-8368-REG: ADB and UN ESCAP's Asia-Pacific Trade Facilitation Forum 2013**

<b>Type of Technical Assistance</b>	:	Capacity Development
<b>Executing Agency</b>	:	Asian Development Bank
<b>TA Amount (\$'000)</b>	:	200.0
<b>Business Opportunities Listing</b>	:	2 August 2013
<b>Date Approved</b>	:	13 May 2013

The ADB and the UN ESCAP signed a Memorandum of Understanding (MOU) on 16 May 2004 to strengthen the partnership between the two institutions to support economic and social development of developing countries in the region. One of the important outcomes resulting from this MOU has been the establishment of the Asia-Pacific Trade Facilitation Forum (APTFF), which aims to promote trade facilitation as an important component of a comprehensive strategy for national and regional development. The APTFF has been jointly organized by ADB and UN ESCAP together with a local partner in the past four years: Thailand (2009); Malaysia (2010); South Korea (2011); and Sri Lanka (2012). For 2013, the APTFF will be organized in Beijing, People's Republic of China in September 2013. This TA will provide support to the organization of the APTFF 2013, including the preparation of a background paper on trade facilitation to be used as reference for the APTFF.

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

**TA-8382-REG: Sustainable Hydropower in Asia Publication**

<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>	:	24 June 2013
<b>Date Approved</b>	:	28 May 2013

The TA's expected outputs are a compendium of good practices for promoting sustainable hydropower projects together with case studies. A Sustainable Hydropower in Asia publication will be produced and future developments in the region will take account of its findings. A considerable body of work on sustainable hydropower has been prepared by ADB over the years. The Building Sustainable Hydropower Projects: Issues, Lessons and Challenges on Environmental and Social Safeguards draft publication of 2008 provides a wealth of information and will be used as a key reference for this work. There will be three stages to the work. The first will be to review hydropower development in Asia and identify why certain projects or aspects of projects are not considered sustainable. While each project is unique in terms of location and design, there are a number of common themes that affect each project such as vegetation management of the inundation area, management of downstream flows and environmental flows. The second stage will be to develop the table of contents for the publication and to write the content. The third stage will be the printing and publication of the Sustainable Hydropower in Asia book.

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

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

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

<b>Type of Technical Assistance</b>	:	Project Preparatory
<b>Executing Agency</b>	:	Department of Economic Affairs
<b>TA Amount (\$'000)</b>	:	370.0
<b>Business Opportunities Listing</b>	:	1 November 2012
<b>Date Approved</b>	:	29 May 2013

The TA subproject was first approved on 12 July 2012 to undertake detailed engineering study for priority South Asia Subregional Economic Cooperation (SASEC) road projects for possible ADB financing, covering two road stretches. The momentum of regional cooperation and integration (RCI) in transport development has been accelerated recently. A series of SASEC Transport Working Groups meetings have requested ADB to prepare critical RCI transport projects. Reform in Myanmar further boosts the momentum of RCI development. Myanmar, for the first time, participated as an observer in the SASEC nodal officers' meeting during the latest ADB annual meeting. As part of the project preparation for the subregional connectivity projects, the Government of India has requested ADB to urgently prepare a study on roads to provide Myanmar connectivity with SASEC countries under the TA. It is in line with the SASEC Transport Working Group meeting in Thimphu and the discussions during the ADB annual meeting. The requested study, to be supported by the additional financing, would be of engineering and economic feasibility for the national highway between Imphal and More (about 100 kilometers).

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

#### **TA-8351-IND: Advanced Project Preparedness for Poverty Reduction – Second Power Sector Investment for Assam (Subproject 28)**

<b>Type of Technical Assistance</b>	:	Project Preparatory
<b>Executing Agency</b>	:	Power Department of Assam Government and Assam State Electricity Board
<b>TA Amount (\$'000)</b>	:	750.0
<b>Business Opportunities Listing</b>	:	24 May 2013
<b>Date Approved</b>	:	11 April 2013

The TA will fund the due diligence for economic analysis, assessment of power sector, financial management assessment and preparation of financial projections for the implementing agencies (IAs) – Assam Power Generation Company Limited (APGCL) and Assam Power Distribution Company Limited, financial assessment of investment facility, finalize safeguard documents such as environment, involuntary resettlement and indigenous peoples, and preparing procurement plan and procurement documents as per ADB requirements/guidelines for multitranchise financing facility and Tranche 1 loan processing. It will also carry out research/modeling work on the impact of climate change on hydropower project which will complement the project design, if any. In order to ensure that appropriate social and environmental rules, procedures and guidelines are adhered to, the TA will also assist the project EAs/IAs to support the social and livelihood activities, and provide income and livelihood skills training to affected people. The TA will support the implementation of institutional capacity development of APGCL recommended by the recently concluded TA on Capacity Building for Assam Power Sector Utilities. It will support the establishment of physical and non-physical



institutional framework and conduct training for efficient management of assets and inventories using international best practices.

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