



Asian Development Bank

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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
(October—December 2011)

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 (October—December 2011)¹

LIST OF TECHNICAL ASSISTANCE PROJECTS				
Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
(A) PREPARATORY TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$1,500,000				
1	7991-ARM	Solid Waste Management Improvement Investment Program	700.000	14-Dec-11
2	7889-BAN	Power System Efficiency Improvement II	700.000	17-Oct-11
3	7902-BAN	Climate Resilient Infrastructure Improvement in Coastal Zone	600.000	2-Nov-11
4	7989-BAN	Skills for Employment	700.000	14-Dec-11
5	8024-BAN	Industrial Energy Efficiency Finance Program	1,500.000	14-Dec-11
6	7887-BHU	Green Power Development II	1,000.000	10-Oct-11
7	7904-CAM	Climate Resilient Rice Commercialization Sector Development Program	1,500.000	3-Nov-11
8	7986-CAM	Integrated Urban Environmental Management in the Tonle Sap Basin	700.000	13-Dec-11
9	7954-IND	Karnataka Integrated and Sustainable Water Resources Management Investment Program	1,200.000	9-Dec-11
10	7583-INO	Geothermal Power Development (Supplementary)	225.000	21-Oct-11
11	7993-INO	Metropolitan Sanitation Management and Health II	1,000.000	13-Dec-11
12	7964-LAO	Vientiane Sustainable Urban Transport	700.000	12-Dec-11
13	7882-MON	Fifth Health Sector Development	700.000	7-Oct-11
14	7970-MON	Ulaanbaatar Urban Services and Ger Areas Development Investment Program	1,500.000	13-Dec-11
15	7883-NEP	Building Climate Resilience of Watersheds in Mountain Eco-Regions	900.000	10-Oct-11
16	7936-NEP	Kathmandu Valley Urban Environment Improvement	700.000	1-Dec-11
17	7992-NEP	Skills Development	500.000	9-Dec-11
18	7955-PHI	Education Improvement Sector Development Program	1,500.000	9-Dec-11
19	7966-PHI	Single Well Engineered Electrical Turbine System (SWEETS) Geothermal Power	425.000	12-Dec-11

¹ 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
20	7164-PRC	Chongqing-Guiyang Railway Development (Supplementary)	320.000	14-Dec-11
21	7891-PRC	Yunnan Chuxiong Urban Environment Improvement	700.000	17-Oct-11
22	7908-PRC	Xinjiang Integrated Urban Development	700.000	10-Nov-11
23	7949-PRC	Promoting Market Innovation in Developing Social Infrastructure: Old Age Caring	900.000	8-Dec-11
24	7962-PRC	Yunnan Sustainable Road Maintenance	800.000	12-Dec-11
25	7965-PRC	Jiangxi Ji'an Sustainable Urban Transport	700.000	9-Dec-11
26	7975-PRC	Yuxi-Mohan Subregional Railway Link	800.000	13-Dec-11
27	7978-PRC	Technical and Vocational Education and Training Demonstration	1,100.000	9-Dec-11
28	7988-PRC	Anhui Intermodal Sustainable Transport Development	1,000.000	12-Dec-11
29	8002-PRC	Hubei-Yichang Sustainable Urban Transport	900.000	15-Dec-11
30	7980-TAJ	Building Climate Resilience in the Pyanj River Basin	1,200.000	14-Dec-11
31	7880-THA	Southern Thailand Water Supply System	600.000	3-Oct-11
32	7940-TON	Outer Island Renewable Energy	500.000	2-Dec-11
33	7917-UZB	Amu Bukhara Irrigation System Rehabilitation	1,500.000	15-Nov-11
34	8004-UZB	Solid Waste Management Investment Program	700.000	14-Dec-11
35	4845-VIE	Support for Public-Private Development of the O Mon Thermal Power Complex (Supplementary)	200.000	6-Dec-11
36	7892-VIE	Sustainable Urban Transport for Ho Chi Minh City MRT Line 2	1,000.000	18-Oct-11
37	7894-VIE	Strengthening Sustainable Urban Transport for Ha Noi Metro Line 3	1,000.000	18-Oct-11
38	7895-VIE	Financial Sector Deepening Program - Subprogram 1	600.000	21-Oct-11
39	7900-VIE	Improvement of Road Safety and Climate Resilience on National Highways	1,500.000	27-Oct-11
40	7924-VIE	Second Greater Mekong Subregion Southern Coastal Corridor (Additional Financing)	1,000.000	9-Nov-11
41	7926-VIE	Water Resources Development in the Mid- and Northeast Red River Delta	800.000	24-Nov-11
42	7942-VIE	Energy Efficiency in the Industry	800.000	2-Dec-11
43	7943-VIE	Productive Rural Infrastructure Development in the Central Highlands	1,000.000	2-Dec-11
44	7953-VIE	Second Health Care in the Central Highlands	600.000	9-Dec-11

Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
45	6435-REG	South Asia Subregional Economic Cooperation Transport Logistics and Trade Facilitation Project (Supplementary)	220.000	21-Dec-11
46	7644-REG	Greater Mekong Subregion: Corridor Towns Development (2nd Supplementary)	300.000	13-Dec-11
47	8026-REG	Asia Life Sciences Fund	1,500.000	20-Dec-11
(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000				
48	7928-BAN	Governance and Capacity Development	200.000	24-Nov-11
49	7960-BAN	Public Private Partnership in Higher Education	225.000	6-Dec-11
50	8028-BAN	Capacity Building of the Anti Corruption Commission	110.000	25-Dec-11
51	8032-BAN	Consolidation of Knowledge on Governance Initiatives	225.000	21-Dec-11
52	8011-CAM	Strengthening Knowledge Solutions for the Cambodia-ADB Partnership	225.000	5-Dec-11
53	8013-CAM	Support for Public-Private Partnership in Cambodia	225.000	16-Dec-11
54	7922-IND	Support to Jawaharlal Nehru National Solar Mission	225.000	18-Nov-11
55	7653-INO	Strengthening National Public Procurement Processes (Supplementary)	225.000	9-Dec-11
56	7999-KGZ	Support for Strategic Assessment of the Kyrgyz Economy to Promote Inclusive Growth	225.000	14-Dec-11
57	8047-LAO	Strengthening Capacity for Enhanced Operational Effectiveness	205.000	27-Dec-11
58	7424-MLD	Institutional Strengthening for Economic Management (Supplementary)	225.000	21-Dec-11
59	7912-PHI	Strategic Policy Actions for Successful Structural Transformation and Inclusive Growth	225.000	24-Oct-11
60	8037-PHI	Developing a Public-Private Earthquake Pool in the Philippines	225.000	27-Dec-11
61	7115-PRC	Strengthening the Capacity of the Judiciary to Implement Economic Laws (Supplementary)	14.200	27-Nov-11
62	7306-PRC	Policy Study on Government Public Expenditure in Agricultural Production (Supplementary)	200.000	18-Oct-11
63	7961-THA	Support for Thailand's Flood Management Knowledge Forum	225.000	9-Dec-11
64	7491-REG	Support for South Asia Regional Economic Cooperation (Supplementary)	225.000	22-Dec-11

Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
65	7494-REG	Fourth High-Level Forum on Aid Effectiveness (3rd Supplementary, 4th Supplementary and 5th Supplementary)	365.937	18-Nov-11
66	7507-REG	2011 International Comparison Program for Asia and the Pacific (2nd Supplementary)	161.000	15-Sep-11
67	7753-REG	Strengthening Coastal and Marine Resources Management in the Coral Triangle of the Pacific (Phase 2) (Supplementary)	18.183	13-Dec-11
68	7893-REG	Support to Achieve the ASEAN Economic Community and Accelerate the Narrowing of Development Gaps by 2015	225.000	18-Oct-11
69	7897-REG	Disbursement, Loan Accounting/Servicing Training and Seminars for DMCs	225.000	11-Oct-11
70	7907-REG	Drivers of Poverty Reduction in Asia and the Pacific	225.000	10-Nov-11
71	7911-REG	Broadening the Scope of Asian Bond Market Initiative under ASEAN+3	145.000	11-Nov-11
72	7930-REG	Sovereign Debt Crises in the US and the Eurozone: Potential Regional Impacts on Asia	225.000	22-Nov-11
73	7941-REG	Preparing a Water Supply and Sanitation Handbook for Southeast Asia	225.000	22-Nov-11
74	7957-REG	Support for ASEAN Leaders Forum on Human Resource Development Towards an Integrated ASEAN Community	225.000	7-Dec-11
75	7969-REG	Promotion of Capital Market Instruments for Infrastructure Financing in the ASEAN	150.000	6-Dec-11
76	7977-REG	Lessons from DMC Project Processing Practices	200.000	14-Dec-11
77	8021-REG	Asia-Pacific Trade Facilitation Forum 2012	225.000	19-Dec-11
78	8022-REG	Strengthening South Asian Developing Member Countries' Capacity and Coordination for Mainstreaming Green Growth and Climate Change Resilience	225.000	23-Dec-11
79	8025-REG	SASEC Subregional Energy Efficiency Initiative	225.000	21-Dec-11
80	8030-REG	Support Capacity Building of Local Issuing Banks and Trade Finance Market Development	200.000	16-Dec-11
81	8035-REG	Impact Evaluation of Selected Projects in South Asia (Phase 2)	225.000	22-Dec-11
82	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	195.000	27-Dec-11

Seq. No.	TA No.	TA Name	Amount (\$'000)	Date Approved
83	8044-REG	Provision of Environment Technical Services	97.000	15-Dec-11
(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS				
84	7884-IND	Advanced Project Preparedness for Poverty Reduction - Capacity Building for Bihar Urban Infrastructure Development (Subproject 16)	600.000	11-Oct-11
85	7921-IND	Advanced Project Preparedness for Poverty Reduction - Supporting Clean Village Environments for MDGs (Subproject 17)	600.000	15-Nov-11
86	8007-IND	Advanced Project Preparedness for Poverty Reduction - West Bengal North South Road Corridor (Subproject 18)	1,100.000	9-Dec-11
87	8019-IND	Advanced Project Preparedness for Poverty Reduction - State Roads (Subproject 20)	2,000.000	21-Dec-11
88	8020-IND	Advanced Project Preparedness for Poverty Reduction - Rajasthan Renewable Energy Transmission Program (Subproject 19)	225.000	21-Dec-11
89	8041-IND	Advanced Project Preparedness for Poverty Reduction - Designing and Capacity Building for Strengthening State Finances and Service Delivery in West Bengal (Subproject 21)	220.000	17-Dec-11
90	8043-IND	Advanced Project Preparedness for Poverty Reduction - Rajasthan Urban Development Program (Subproject 22)	750.000	22-Dec-11
91	8012-REG	Enabling Climate Change Responses in Asia and the Pacific - Disaster Risk Finance for Total Climate Risk (Subproject 6)	1,000.000	9-Dec-11
92	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)	3,292.000	20-Dec-11
93	8046-REG	Implementation of Sustainable Transport in Asia and the Pacific - Better Transport Data for Sustainable Transport Policies and Investment Planning (Subproject 1)	1,000.000	19-Dec-11

(A) PREPARATORY TECHNICAL ASSISTANCE PROJECTS

1. TA-7991-ARM: Solid Waste Management Improvement Investment Program

Executing Agency	:	Ministry of Territorial Administration (MTA)
TA Amount (\$'000)	:	700.0
Business Opportunities Listing	:	2 March 2012
Date Approved	:	14 December 2011

This PPTA will thoroughly test and prepare, through the Investment Program, modern solid waste management (SWM) systems and remediation of old 'truck and dump' practices in Armenian regions. The majority of municipal solid waste (SW) stream in Armenia is not segregated, poorly collected and often simply illegally dumped to inappropriate sites. Hence technical, economic and financial feasibility will focus on testing least cost technical solutions based on international standards, which operate on the principles of waste minimization and material recycling. Such systems will be also structured to achieve efficient collection, transfer and disposal of residual waste that meet acceptable standards of environmental protection. Finally, the PPTA will ensure completion of safeguards assessments and project readiness.

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

2. TA-7889-BAN: Power System Efficiency Improvement II

Executing Agency	:	Bangladesh Power Development Board (BPDB)
TA Amount (\$'000)	:	700.0
Business Opportunities Listing	:	20 February 2012
Date Approved	:	17 October 2011

The proposed project will address three key areas in the electricity supply sector. They are: improving energy use efficiency of thermal power plants, improving the transmission network capacity, and expanding the renewable energy base. The project interventions will include: (i) conversion of power plants at Siddhirganj, Baghabari, and Khulna to combine cycle power plants; (ii) construction of 180 kilometers (km) 132 kilovolts (kV) transmission lines and four 133/32 kV substations; (ii) installation of solar irrigation water pumps; and (iii) capacity development for solar powered irrigation and power plant management.

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

3. TA-7902-BAN: Climate Resilient Infrastructure Improvement in Coastal Zone

Executing Agency	:	Local Government Engineering Department
TA Amount (\$'000)	:	600.0
Business Opportunities Listing	:	20 February 2012
Date Approved	:	2 November 2011

The TA is needed for conducting technical, economic, financial and social due diligence for the project that aims for sustainable livelihoods in the rural coastal districts vulnerable to climate change. The project outcome will be enhanced climate resilience of coastal infrastructure in 9 rural coastal districts. The outputs as envisaged are (i) road connectivity improved and climate-proofed; (ii) marketing facilities upgraded with specific provision for climate vulnerable groups and women; (iii) capacity for climate-resilient infrastructure management improved; and (iv) knowledge management on climate resilience improved to capture experience and lessons

coming out of project implementation for application in other similar areas in the country and the region.

Status of Consulting Services : Consultants' work is ongoing.

4. TA-7989-BAN: Skills for Employment

Executing Agency : Ministry of Education
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 15 December 2011
Date Approved : 14 December 2011

The proposed TA will contribute to increased employability and income of Technical and Vocational Education and Training (TVET) graduates by assisting the Government of Bangladesh in designing the Skills for Employment project. The Skills for Employment project will support the implementation of two major policy reforms the Government of Bangladesh has recently approved, the National Education Policy (NEP, 2010), and the National Skills Development Policy (NSDP, 2011). These policies articulate strategies to reform the skills development system. The NEP aims to reform the education sector, including TVET provision, and calls for a major expansion of TVET including extending the apprenticeship system, increasing access to TVET, and providing vertical mobility from one TVET level to another. The NEP encourages private management of public TVET institutions to improve quality and access. The NSDP envisions flexible, demand oriented skills development and emphasizes partnerships between government, industry, workers and civil society. The NSDP stipulates quality improvement through the imposition of standards and alignment of training programs within a qualifications framework. The policy adopts a competency-based training model rooted in workplace skills requirements.

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

5. TA-8024-BAN: Industrial Energy Efficiency Finance Program

Executing Agency : Industrial and Infrastructure Development Finance, Co., Ltd.
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 17 November 2011
Date Approved : 14 December 2011

The Program's expected outcome will be the greater efficiency of the industrial projects financed, resulting in energy savings and carbon emission reduction. Industries are expected to reduce their gas, coal and power consumption, contributing to a reduction in carbon emissions of about 300,000 to 600,000 tons a year by 2015. More efficient industrial processes will also reduce air pollution and improve labor conditions, particularly in the brick making sector. The Program's main output will be the completion of industrial energy efficiency projects expected to represent an aggregate investment of about \$50-100 million.

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

6. TA-7887-BHU: Green Power Development II

Executing Agency	:	Department of Energy, Ministry of Economic Affairs
TA Amount (\$'000)	:	1,000.0
Business Opportunities Listing	:	20 February 2012
Date Approved	:	10 October 2011

The project outputs include (i) operation of a 210 megawatts (MW) run-of-the-river Nikachhu hydropower plant and its associated transmission lines, and (ii) enhanced institutional capacity of Druk Green Power Corporation (DGPC) in financial, social, and environmental terms. The project will generate power of 903,490 megawatt-hour (MWh) on the average annually. Power generated is expected to be exported by Indian power trader(s) to neighboring countries. Given that clean and renewable power export will be counted as carbon saving, the resulting reduction of greenhouse gases equivalent to carbon dioxide (CO₂) emissions is estimated at around 1,000,000 tons every year assuming on the Indian grid system benchmark. This TA will conduct due diligence of the feasibility study done by DGPC and upgrade their critical aspects required for commercial arrangements, financial restructuring, safeguards and procurement.

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

7. TA-7904-CAM: Climate Resilient Rice Commercialization Sector Development Program

Executing Agency	:	Ministry of Economy and Finance
TA Amount (\$'000)	:	1,500.0
Business Opportunities Listing	:	4 November 2011
Date Approved	:	3 November 2011

The TA is proposed to support and accelerate the efficient and effective implementation of the Strategy on Agriculture and Water and the "Policy on the Promotion of Paddy Production and Rice Export" (the Rice Policy). It will address food security and rice commercialization by prioritizing: (i) strengthening the rice value chain; (ii) improving the legal and regulatory framework in agricultural land management; (iii) improving access to credit by paddy producers and rice millers/exporters; and (iv) enhancing paddy production and productivity through improved irrigation water use efficiency, establishment of paddy post-harvesting facilities, and paddy crop insurance pilots.

Status of Consulting Services : Consultants' work is ongoing.

8. TA-7986-CAM: Integrated Urban Environmental Management in the Tonle Sap Basin

Executing Agency	:	Ministry of Public Works and Transport
TA Amount (\$'000)	:	700.0
Business Opportunities Listing	:	2 March 2012
Date Approved	:	13 December 2011

This TA will develop strategic urban development plans that will guide the future urban growth and determine the feasibility of the proposed investments for priority infrastructure construction and improvement covering (i) preliminary engineering designs; (ii) cost estimates and financing plan; (iii) financial and economic viability and sustainability; (iv) environmental and social

soundness and detailed implementation arrangements; (v) prepare an institutional capacity strengthening program. It will also prepare the project administration manual (PAM) of the ensuing investment project.

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

9. TA-7954-IND: Karnataka Integrated and Sustainable Water Resources Management Investment Program

Executing Agency : Water Resources Department, Karnataka-Bangalore
TA Amount (\$'000) : 1,200.0
Business Opportunities Listing : 12 December 2011
Date Approved : 9 December 2011

This TA will do preparatory activities for the Multitranchise Financing Facility- Karnataka Integrated and Sustainable Water Resources Management Investment Program that will contribute to sustaining water resources in the water-scarce river sub-basins of the state. It will build on the previous CDTA in 2009 to develop policy, planning, and an institutional framework for Integrated Water Resources Management and sustainable service delivery. Its scope may be adjusted on the basis of its findings and the progress of initial institutional actions.

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

10. TA-7583-INO: Geothermal Power Development (Supplementary)

Executing Agency : National Development Planning Agency
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 27 October 2011
Date Approved : 21 October 2011

The increase in the TA grant by \$225,000 will be financed by Australian Agency for International Development (AusAID) and administered by ADB. This increase will change the TA financing from \$1,500,000 to \$1,725,000 for financing additional advisory services to meet project requirements. On 23 June 2011, AusAID and ADB signed the first amendment to the Cofinancing Agreement with respect to the project.

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

11. TA-7993-INO: Metropolitan Sanitation Management and Health II

Executing Agency : Ministry of Public Works
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 7 March 2012
Date Approved : 13 December 2011

The proposed TA will support (i) the implementation of the Government's Roadmap to Acceleration of Urban Sanitation Development 2010 - 2014, which targets sewerage systems in 16 cities and community based sanitation in all other cities; (ii) the National Policy for the Development of Community-Based Water Supply and Environmental Sanitation; (iii) ADB's Water Operational Framework 2011- 2020, which has a strong emphasis on sanitation and is

directed toward efficient technologies and capacity development programs; (iv) ADB's Water for All policy; and (v) the draft Indonesia Country Partnership Strategy 2011-2014.

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

12. TA-7964-LAO: Vientiane Sustainable Urban Transport

Executing Agency : Ministry of Public Works and Transport
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 20 December 2011
Date Approved : 12 December 2011

The ensuing project to be prepared by the TA is expected to have four components: (i) institutional and capacity development; (ii) pilot public transport service and facilities; (iii) parking structure and facilities; and (iv) a demonstration traffic management scheme. The institutional and capacity development component will cover an institutional framework, funding mechanism, and capacity building for a proposed Pilot Environmentally Sustainable Transport Agency to manage the operation and maintenance of the pilot services and eventually extend them to other areas in Lao PDR. Implementation of pilot public transport service and facilities will likely consist of two closed loop routes, which will provide public transport bus coverage to essentially the entire city core area. The construction of the parking structure and facilities is necessary to relieve congestion in the core area. The demonstration traffic management scheme is expected to involve the introduction of effective traffic and parking enforcement; education of drivers, other road users, and traffic regulators; and improved coordination and control of new initiatives for development in the Vientiane core area.

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

13. TA-7882-MON: Fifth Health Sector Development

Executing Agency : Ministry of Health
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 25 October 2011
Date Approved : 7 October 2011

The project will improve patients' and health workers' safety in hospitals in Mongolia. It will (i) improve the safety of blood transfusions, (ii) strengthen medical waste management, and (iii) prevent and control hospital acquired infections. The project builds on hospital sector reforms initiated under previous ADB funded operations in Mongolia, particularly the Fourth Health Sector Development Project to strengthen hospital services. IED's sector recommendations emphasize the need for structural changes in health care delivery by rationalizing excess hospital capacity at the secondary and tertiary level, particularly in Ulaanbaatar. The Fourth Health Sector Development Project is engaged in reforming the hospital sector but hospital rationalization needs to be complemented with increased quality and safety of hospital services to provide effective care and lower resistance to reforming the sector. The project will deliver tangible benefits to women by ensuring higher safety standards to protect female staff against hospital acquired infections and improving safety of maternity services in hospitals.

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

14. TA-7970-MON: Ulaanbaatar Urban Services and Ger Areas Development Investment Program

Executing Agency : Municipal Government of Ulaanbaatar
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 15 December 2010
Date Approved : 13 December 2011

The investment program aims to promote an inclusive peri-urban development in Ulaanbaatar City's ger areas. Combining spatial and sector approaches, it will introduce sustainable urban services and support the socioeconomic development of urban communities in subcenters located in ger areas. The proposed program will: (i) support urban governance, livelihood and socioeconomic activities through land use planning, and improved access to financial services; (ii) extend and upgrade appropriate and affordable water supply, wastewater collection, and district heating infrastructures; and (iii) improve the operation and maintenance capacities of service providers, and enable sound institutional and regulatory settings for service delivery.

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

15. TA-7883-NEP: Building Climate Resilience of Watersheds in Mountain Eco-Regions

Executing Agency : Department of Soil Conservation & Watershed Management
TA Amount (\$'000) : 900.0
Business Opportunities Listing : 23 January 2012
Date Approved : 10 October 2011

The Project's expected outputs are: (i) Participatory watershed management planning to improve water security demonstrated, (ii) Watershed management plans (that address the specific vulnerabilities of women and disadvantaged groups) implemented in priority watersheds, (iii) productivity of water enhanced through effective and efficient use of water in farming systems, and (iv) lessons for improving access to and reliability of water resources in vulnerable mountain regions generated and incorporated into country programs. The watershed management plans will aim at (i) reducing erosion to minimize downstream sedimentation, (ii) enhancing soil moisture and groundwater recharge, and (iii) enhancing surface water conservation and storage. A sector project is envisaged to provide the required flexibility to address (sub)watershed specific interventions. A detailed assessment will be undertaken during PPTA implementation to prioritize watersheds for possible inclusion under the Project. A participatory planning process with communities and other stakeholders working at the field level will be conducted, and communities will determine appropriate interventions based on options presented to them.

Status of Consulting Services : Consultants' work is ongoing.

16. TA-7936-NEP: Kathmandu Valley Urban Environment Improvement

Executing Agency : Ministry of Physical Planning and Works
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 2 December 2011
Date Approved : 1 December 2011

The proposed project will support the ongoing efforts of the Government of Nepal towards improving the wastewater services in Kathmandu Valley. The project will invest in rehabilitation and expansion of sewerage network, modernization and new construction of wastewater treatment plants, and improvement of wastewater management in Kathmandu Valley, which will complement the past and ongoing ADB projects. The project is expected to increase operational efficiency, improve service delivery, and result in positive impact on health and quality of life for inhabitants of Kathmandu Valley.

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

17. TA-7992-NEP: Skills Development

Executing Agency : Ministry of Education
TA Amount (\$'000) : 500.0
Business Opportunities Listing : 28 February 2012
Date Approved : 9 December 2011

The proposed TA will support the Government of Nepal to develop a market responsive and social- and gender-responsive technical education and vocational training by assisting the implementation of policy, institutional and operational reforms, delivery of demand-oriented skills training, short-term market oriented skills training focusing on excluded groups, and effective project management and monitoring and evaluation. The SDP is proposed for five years from 2013 to 2018.

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

18. TA-7955-PHI: Education Improvement Sector Development Program

Executing Agency : Department of Education
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 21 February 2012
Date Approved : 9 December 2011

The PPTA is required to: (i) develop an operational/ implementation plan for the introduction of the K to 12 reform program; (ii) identify priority reforms for support under the policy loan, as well as tranche conditions; (iii) support finalization of the Program scope and detailed design work for, and feasibility assessment of, proposed investments; (iv) prepare cost estimates, a financing plan and financial and economic analyses; (v) conduct safeguard-related due diligence; (vi) provide strategic advice and advisory services in relation to the use of infrastructure Public-Private Partnerships (PPP); (vii) develop design and implementation parameters for the increased use of the private and tertiary education sectors to deliver secondary and senior secondary education; (viii) develop options to expand access through innovative education delivery mechanisms; (ix) develop an institutional capacity building program; and (x) prepare the Project Administration Manual.

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

19. TA-7966-PHI: Single Well Engineered Electrical Turbine System (SWEETS) Geothermal Power

Executing Agency : First Environtech Alliance Corp. and Shodensya

	Co., Ltd.
TA Amount (\$'000)	: 425.0
Business Opportunities Listing	: 20 December 2011
Date Approved	: 12 December 2011

The project will help address the growth in electricity demand and increase the share of geothermal/ renewable energy in the country's energy mix to 40% by 2013. It will help curtail the continued rise in greenhouse gas (GHG) emissions in the country since a significant portion of the country's energy requirements are supplied by coal and oil-based plants. The SWEETS 50 MW geothermal power facility can potentially generate up to 394,200 MWh of electricity, assuming a 90% plant load factor, and lead to total carbon dioxide (tCO₂) savings of at least 157,680 tonnes of carbon dioxide equivalent per year (tCO₂eq/year). If proven cost efficient, the project can be replicated in off-grid, rural areas.

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

20. TA-7164-PRC: Chongqing-Guiyang Railway Development (Supplementary)

Executing Agency	: Foreign Capital and Technical Import Center
TA Amount (\$'000)	: 320.0
Business Opportunities Listing	: 21 November 2011
Date Approved	: 14 December 2011

The original scope of the TA was to assess the feasibility of Chongqing-Guiyang railway project and prepare it for ADB financing. Given Ministry of Railway's (MOR) shift to the system-wide approach, the scope is no longer applicable and needs to be adapted to the current situation. The Multi-tranche Financing Facility for Railway Energy Efficiency and Safety Enhancement Investment Program with an amount of 1 billion was approved in December 2009. Based on the discussions with MOR, there may be as many as 6 to 8 tranches. For each tranche, ADB is required to do due diligence on items to be financed, cost estimates, economic rationale, safeguards, procurement, and institutional arrangements. To ensure proper due diligence a major change in scope and additional financing was approved.

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

21. TA-7891-PRC: Yunnan Chuxiong Urban Environment Improvement

Executing Agency	: Chuxiong Prefecture Government
TA Amount (\$'000)	: 700.0
Business Opportunities Listing	: 26 October 2011
Date Approved	: 17 October 2011

Yunnan Province (Yunnan) in the southwest People's Republic of China (PRC) has benefitted from ADB investments in roads, railways, and power to improve connectivity within Yunnan and with the Greater Mekong Subregion (GMS). Despite these investments, however, Yunnan remains one of the poorest provinces in the PRC. The provincial government aims to stimulate economic growth by developing city clusters, which are connected by established transport networks to create growth poles and facilitate urbanization. This will require expanding urban areas, constructing municipal infrastructure, and encouraging industry development. The proposed project aims to better integrate social and environmental dimensions in the urban plans of Chuxiong City, together with Lufeng and Wuding Towns of the Chuxiong Yi

Autonomous Prefecture. The project will support municipal and environmental services in all participating cities and towns, at the same time improve river management and flood control in Chuxiong City, with an emphasis on inclusive, environmentally sustainable, and climate-resilient urban planning.

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

22. TA-7908-PRC: Xinjiang Integrated Urban Development

Executing Agency : Government of Xinjiang Uygur Autonomous Region
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 14 November 2011
Date Approved : 10 November 2011

The project aims to help promote balanced and environmentally friendly urbanization, and improve living conditions and employment in Kelamayi and Kuitun, two second-tier cities in the Xinjiang Uygur Autonomous Region, in the PRC. The major investment components include (i) upgrading wastewater treatment and construction of artificial wetlands including treated wastewater storage and connection pipes for reuse; (ii) road construction with auxiliary facilities; (iii) rehabilitation of urban drainage channels for flood control, and plantation of windbreak forests; (iv) nonrevenue water management; and (v) consulting services for project implementation support and capacity development.

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

23. TA-7949-PRC: Promoting Market Innovation in Developing Social Infrastructure: Old Age Caring

Executing Agency : The National Council for Social Security Fund (NCSSF)
TA Amount (\$'000) : 900.0
Business Opportunities Listing : 10 November 2011
Date Approved : 8 December 2011

NCSSF has requested ADB to provide a PPTA to assist in designing and optimizing a robust feasibility study and a comprehensive business plan that will explore innovative and replicable approaches and mobilize resources from both public and private sectors to support a market-driven and commercially viable old-age care project. Preparing a well-structured and demonstrative project as one of the forerunners in commercializing old-age care services in the PRC is conceivably more complex than designing a conventional physical infrastructure project, as it involves many stakeholders and requires substantial in-depth market surveys, policy and social welfare system review, business and financing modality comparison, investment planning, and risk assessments. More resources during the feasibility phase are needed to establish the commercial viability and long-term sustainability of such a pioneering social infrastructure project.

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

24. TA-7962-PRC: Yunnan Sustainable Road Maintenance

Executing Agency : Yunnan Provincial Department of Transport
TA Amount (\$'000) : 800.0

Business Opportunities Listing : 22 December 2011
Date Approved : 12 December 2011

The PPTA is necessary to help Yunnan Highway Administration Bureau (YHAB) prepare: (i) a medium-term road periodic maintenance and rehabilitation investment plan; (ii) the implementation of the first year annual road maintenance works; (iii) an operational manual for subsequent periodic maintenance and rehabilitation projects (including ADB safeguard documentation); (iv) an institutional development plan, including the definition of pilot projects for new ways to deliver road maintenance and an action plan to improve safeguards systems; and (v) the maintenance program's results framework. The PPTA will also train YHAB staff in road asset management.

Status of Consulting Services : Consultants' work is ongoing.

25. TA-7965-PRC: Jiangxi Ji'an Sustainable Urban Transport

Executing Agency : Ji'an Municipal Government
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 22 December 2011
Date Approved : 9 December 2011

The PPTA 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, design, and operating plan of the proposed bus rapid transit (BRT) to be included in the Project; (iii) ensure that the executing agency (EA) and implementing agencies (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, determine the areas where the TA will support the urban transport sector in Jiangxi Ji'an and enhance the benefits delivered by the proposed project components; and (vii) ensure that the EA adheres to ADB's Safeguard Policy Statement, 2009 covering resettlement, the environment, social and gender issues during project planning and preparation.

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

26. TA-7975-PRC: Yuxi-Mohan Subregional Railway Link

Executing Agency : Ministry of Railways
TA Amount (\$'000) : 800.0
Business Opportunities Listing : 25 November 2011
Date Approved : 13 December 2011

The PPTA will (i) help the Government review and strengthen the environmental impact assessment (EIA), management and monitoring and resettlement plan; (ii) review and improve the project scope, feasibility study and design; (iii) review the project energy saving assessment report and identify the project's validation of energy saving and emission reduction; (iv) produce implementation plan and procurement plan; (v) conduct economic and financial analyses; (vi) conduct railway development and reform analysis at sector level and propose policy measures to improve operational efficiency and safety; and (vii) carry out poverty and social analysis and develop an ethnic minority development plan.

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

27. TA-7978-PRC: Technical and Vocational Education and Training Demonstration

Executing Agency : Hunan Education Department through the Provincial Project Coordination Group
TA Amount (\$'000) : 1,100.0
Business Opportunities Listing : 21 December 2011
Date Approved : 9 December 2011

The proposed project will help improve the quality and relevance of TVET in Hunan Province, PRC by improving TVET institutional capacity, training of instructors, and curriculum development; fostering industry-TVET collaboration; developing digital TVET to maximize resource sharing among vocational schools and colleges, and supporting sustainable TVET campuses. The proposed project is the first ADB-financed investment project for education and training in the PRC, and is expected to play a demonstration role for TVET development in the PRC.

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

28. TA-7988-PRC: Anhui Intermodal Sustainable Transport Development

Executing Agency : Anhui Province Department of Transport
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 15 December 2011
Date Approved : 12 December 2011

The proposed project seeks to improve the condition of the transport network within the Wangjiang Demonstration Zone in Anhui province to create an integrated intermodal sustainable transport system. It will focus on improving the navigability of waterway sections that have been identified as bottlenecks and upgrading and rehabilitating road network sections along Wangjiang River. It will also introduce safety improvements for the road network and inland water transport system, and support institutional capacity development of the implementing agencies focusing on improving environmental monitoring and management.

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

29. TA-8002-PRC: Hubei-Yichang Sustainable Urban Transport

Executing Agency : Yichang Municipality Government
TA Amount (\$'000) : 900.0
Business Opportunities Listing : 12 December 2011
Date Approved : 15 December 2011

The project includes the following components: (i) road reconstruction and installation of BRT corridor (18 km), (ii) establishing BRT services; (iii) construction of two road sections (24.7 km) to support logistics park development and to accommodate increasing pass-dam transshipment demand; and (iv) support for non-motorized transport, travel demand management in Yichang central business district through parking management.

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

30. TA-7980-TAJ: Building Climate Resilience in the Pyanj River Basin

Executing Agency	:	Ministry of Water Resources and Land Reclamation
TA Amount (\$'000)	:	1,200.0
Business Opportunities Listing	:	19 December 2011
Date Approved	:	14 December 2011

The impact of the project will be improved livelihoods of Pyanj river basin communities vulnerable to climate variability and change. The project outcome will be that communities in the Pyanj river basin are more resilient to climate variability and climate change, benefiting over a million people including the poor and women. The outputs as envisaged are: (i) improved access to water resources, including irrigation, water supply and water retention systems and technologies; and (ii) increased capacity of communities to respond to climate change, including strengthening of institutions and advisory services, early warning systems, micro financing and micro insurance.

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

31. TA-7880-THA: Southern Thailand Water Supply System

Executing Agency	:	Eastern Water Resources Development and Management Public Co. Ltd.
TA Amount (\$'000)	:	600.0
Business Opportunities Listing	:	31 August 2011
Date Approved	:	3 October 2011

The PPTA will support a comprehensive feasibility study to help determine the viability of constructing and operating a water supply system in Southern Thailand. The PPTA comprises of two separate parts: a Market Demand and Supply Assessment and a Project Preparatory Study. The PPP project will eventually supply about 100 million cubic meters of potable water annually to residential and commercial users in Krabi, Phang-Nga and Phuket provinces to support the region's ongoing economic recovery and development. Water supply projects are generally more complex than other forms of PPPs and require greater resources during the feasibility phase in order to establish long-term sustainability.

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

32. TA-7940-TON: Outer Island Renewable Energy

Executing Agency	:	Tonga Energy Road Map
TA Amount (\$'000)	:	500.0
Business Opportunities Listing	:	23 December 2011
Date Approved	:	2 December 2011

The proposed project will assist the government's efforts to reducing the country's heavy reliance on imported fossil fuels for power generation. By providing a secure, sustainable and environmentally-sound source of electricity for private and commercial customers, it will implement 0.75 MWp solar power capacity connected to the existing diesel networks of Tonga's outer islands of Ha'apai, Vava'u and 'Eua, saving yearly about 700 tons of CO₂.

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

33. TA-7917-UZB: Amu Bukhara Irrigation System Rehabilitation

Executing Agency : Ministry of Agriculture and Water Resources
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 20 December 2011
Date Approved : 15 November 2011

The TA will facilitate efficient preparation of the loan project. Key outputs will include: (i) a water resource assessment; (ii) selection of key Amu Bukhara Irrigation System facilities to be financed by the ensuing investment project; (iii) technical, socioeconomic, and environmental surveys and investigations; (iv) feasibility studies in accordance with ADB and government requirements; (v) capacity development plans for the implementing agencies; (vi) poverty and social assessments and initial environmental examinations; (vii) strategies for social and gender development, resettlement, and environmental assessment and review; (viii) climate change mitigation and adaptation assessments; (ix) detailed implementation arrangements in compliance with the Safeguard Policy Statement; and (x) project investment and financing plans.

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

34. TA-8004-UZB: Solid Waste Management Investment Program

Executing Agency : Ministry of Finance
TA Amount (\$'000) : 700.0
Business Opportunities Listing : 29 February 2012
Date Approved : 14 December 2011

The purpose of this PPTA is to thoroughly test and prepare, through the Investment Program, establishment of modern SWM systems and remediation of old 'truck and dump' practices in Uzbekistan cities and regions, which is poised with challenges. The majority of municipal SW stream in Uzbekistan is not segregated, it is poorly collected, and often simply illegally dumped to inappropriate sites. Hence, technical, economic and financial feasibility will focus on testing least cost technical solutions based on international standards, which operate on the principles of waste minimization and material recycling. Such systems will be also structured to achieve efficient collection, transfer and disposal of residual waste that meet acceptable standards of environmental protection. Finally, the PPTA will ensure completion of safeguards assessments and project readiness.

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

35. TA-4845-VIE: Support for Public-Private Development of the O Mon Thermal Power Complex (Supplementary)

Type of Technical Assistance : Project Preparatory
Executing Agency : Ministry of Industry and Trade (MOIT)
TA Amount (\$'000) : 200.0
Business Opportunities Listing : 8 December 2011
Date Approved : 6 December 2011

After reviewing the inception reports, the MOIT has requested some changes in the implementation arrangements of the TA. The budget increase of \$200,000 (for Component II), to be funded from PSOD's allocation of 2011 TASf, will back the proposed changes.

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

36. TA-7892-VIE: Sustainable Urban Transport for Ho Chi Minh City MRT Line 2

Executing Agency : Ho Chi Minh City People's Committee
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 5 September 2011
Date Approved : 18 October 2011

The Project will support the development of an integrated public transport system in six districts of Ho Chi Minh City (HCMC) which, in turn, will increase effective utilization of HCMC Urban Mass Rapid Transit (MRT) Line 2 once operational in 2017. An improved and integrated public transport system will facilitate connectivity and greatly enhance access to MRT and bus services in six districts of HCMC, as well as support the HCMC Urban Transport Master Plan (HUTMP) objective of increasing public transport usage to over 40% of demand and reducing dependency on private vehicles. The Project will also support HCMC's climate change mitigation efforts in adopting a low carbon transport growth path, which is more energy efficient and lowers green house gas (GHG) emissions.

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

37. TA-7894-VIE: Strengthening Sustainable Urban Transport for Ha Noi Metro Line 3

Executing Agency : Ha Noi People's Committee
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 24 October 2011
Date Approved : 18 October 2011

The Project will support the development of an integrated public transport system in five districts of Ha Noi which, in turn, will increase effective utilization of Ha Noi metro Line 3 once operational in 2017. An improved and integrated public transport system will facilitate connectivity and greatly enhance access to mass rapid transit and bus services in five districts of Ha Noi, as well as support the Ha Noi Urban Transport Master Plan's objective of increasing ridership on public transport to over 40% of demand and reducing dependency on private vehicles. The Project will also support Ha Noi's climate change mitigation efforts in adopting a low carbon transport growth path, which is more energy efficient and lowers GHG emissions.

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

38. TA-7895-VIE: Financial Sector Deepening Program - Subprogram 1

Executing Agency : State Bank of Viet Nam
TA Amount (\$'000) : 600.0
Business Opportunities Listing : 16 September 2011
Date Approved : 21 October 2011

Building on the post-program partnership framework of Financial Sector Program Loan III, the TA will support the government's initiatives to increase the role of the nonbank financial sector. Subprogram 1 of the Financial Sector Deepening Program will put stronger emphasis on developing a well-functioning money market, promoting a deeper and more liquid government bond market, and building capacity within public institutions in the financial sector, in accordance with the government's human resources development plan.

Status of Consulting Services : Consultants' work is ongoing.

39. TA-7900-VIE: Improvement of Road Safety and Climate Resilience on National Highways

Executing Agency : Ministry of Transport
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 3 August 2011
Date Approved : 27 October 2011

The project will cover improvement of traffic safety and climate resilience for approximately 180 km of National Highway 1 in Ninh Thuan and Binh Thuan provinces. The primary necessity for the PPTA is to assist the Government by providing a systematic and coordinated approach to (i) identify critical subproject traffic safety "black spots" and segments with high climate change risks; (ii) engineer solutions, and provide a set of detailed design guidelines to remedy the problems; (iii) develop capacity enhancement and other non-infrastructure solutions; and (iv) prioritize subprojects for implementation under the project loan.

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

40. TA-7924-VIE: Second Greater Mekong Subregion Southern Coastal Corridor (Additional Financing)

Executing Agency : Ministry of Transport
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 14 November 2011
Date Approved : 9 November 2011

The proposed Second Greater Mekong Subregion Southern Coastal Corridor Project (GMS-SCCP) will (i) construct approximately 84 km (between Ha Tien to Rach Gia) of the remaining sections of QL80 route in Viet Nam; and (ii) upgrade Ha Tien cross border facilities and streamline border crossing procedures. In tune with one of the strategic thrusts of the GMS Strategic Framework (2012-2022), the proposed Second GMS-SCCP is a necessary precondition for promoting broader economic corridor development. Also, the project will facilitate Viet Nam's plans for implementing the Association of Southeast Asian Nations (ASEAN) Single Window mechanism by 2015. In addition, the project will target mainstreaming gender imbalances, preventing human trafficking and HIV/AIDS, mitigating/adapting to climate change impacts, strengthening institutional capacity, and facilitating regional cooperation between Cambodia and Viet Nam.

Status of Consulting Services : Consultants' work is ongoing.

41. TA-7926-VIE: Water Resources Development in the Mid- and Northeast Red River Delta

Executing Agency : Ministry of Agriculture and Rural Development
TA Amount (\$'000) : 800.0
Business Opportunities Listing : 12 May 2011
Date Approved : 24 November 2011

Using development models refined under previous similar projects in Viet Nam, the project will improve water resources infrastructure covering about 50,000 ha in four provinces of the northeast Red River Delta (Bac Ninh, Bac Giang, Vinh Phuc and Phu Tho provinces). The project will be part of ADB's on-going and continuing efforts to assist the Government to (i) more effectively use its natural resources and contribute to higher levels of agricultural production, (ii) expand employment opportunities, and (iii) increase rural household incomes and reduce poverty. This is consistent with the government's priorities for modernizing the agriculture, natural resources and environment (ANRE) sector, and promoting economic growth and sustainable use of the country's natural resources. These priorities are also reflected in ADB's country partnership strategy (CPS) and assessment, strategy and roadmap for the ANRE sector.

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

42. TA-7942-VIE: Energy Efficiency in the Industry

Executing Agency : Ministry of Finance
TA Amount (\$'000) : 800.0
Business Opportunities Listing : 6 December 2011
Date Approved : 2 December 2011

The impact of the TA will be to help improve energy intensities and operation processes of cement and steel industrial sub-sectors in Viet Nam. Its outcome will be manufacturing lines of selected cement and steel plants which will utilize more efficient energy conversion processes, avoiding (saving) about 214 gigawatt hours per year of electricity, 944 terajoules per year of energy and 230,000 tCO₂eq/year. The outputs of the TA include (i) upgraded and commissioned production lines of five cement and two steel plants; and (ii) capacity building for environmental monitoring, operations and maintenance, and financial training.

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

43. TA-7943-VIE: Productive Rural Infrastructure Development in the Central Highlands

Executing Agency : Ministry of Agriculture and Rural Development (MARD)
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 5 December 2011
Date Approved : 2 December 2011

The proposed project (Project) aims to rehabilitate and upgrade existing but deteriorated productive rural infrastructure (PRI) in five central highland provinces (CHP) of Gia Lai, Kon Tum, Dac Lak, Dac Nong and Lam Dong over a period of seven years. It directly supports the

Government of Viet Nam's National Target Program for New Rural Development. The PRI has deteriorated because of limited funding available for new investment and a constrained capacity to sustainably develop, manage and use the assets. This contributes to CHP's poverty by constraining rural productivity. The Project would focus on sustainably improving approximately 30 medium scale irrigation systems, and associated PRI including: rural access infrastructure; and, local markets. In consultation with the MARD, the 30 subprojects would be selected from CHP's Socio-Economic Development Plans. The improved PRI is expected to enable communities to respond to market signals by: increasing agricultural intensity and diversity; providing quicker and safer access to markets, employment opportunities, and social services; and, reducing costs of rural production and marketing, as well as reducing food wastage. Improved PRI increases incomes from both on- and off-farm employment, decreases the burden of chores on women, and increases food availability even when yields are constant. This is pro-poor and will be increasingly important for climate change resilience.

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

44. TA-7953-VIE: Second Health Care in the Central Highlands

Executing Agency : Ministry of Health
TA Amount (\$'000) : 600.0
Business Opportunities Listing : 19 December 2011
Date Approved : 9 December 2011

The ensuing Project will comprise the following outputs: 1) Upgraded facilities and equipment, 2) Developed human resources, 3) Strengthened financing of health services and 4) Improved management of health services. Provincial health departments have informed the MoH of possible project elements for further support as per their respective needs. Although the details will be further determined during the PPTA, some indicative activities have been identified. Health service access for the rural poor will be expanded with additional first line health facilities that are appropriately equipped and staffed. Existing staff's knowledge and skills will be further upgraded while training school capacity will be enhanced and expanded to recruit and train local people to become health staff in the future. To enable disadvantaged groups to access services, a subsidization system will be further developed along the line of the amended health finance law, with appropriate registration of eligible people and monitoring of service provision. Management of services will be further strengthened by supporting the development, implementation and monitoring of (appropriately financed) annual operational plans.

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

45. TA-6435-REG: South Asia Subregional Economic Cooperation Transport Logistics and Trade Facilitation Project (Supplementary)

Type of Technical Assistance : Project Preparatory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 220.0
Business Opportunities Listing : 23 December 2011
Date Approved : 21 December 2011

The existing TA assumed the improvement to the existing roads, totaling about 150 km. A preliminary design work on the existing roads is almost complete. An additional study which was not anticipated has been identified lately. The additional study is required for project

preparation of the alternative roads at the last stretch of the roads for about 25 km in total. Also, potential areas for land customs stations have now been identified for study. Both of the studies are indispensable to deliver the project impacts in an optimal manner. This change of implementation arrangements requires an increase in the TA budget amount by \$220,000 which will be financed from TASF.

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

46. TA-7644-REG: Greater Mekong Subregion: Corridor Towns Development (2nd Supplementary)

Type of Technical Assistance : Project Preparatory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 300.0
Business Opportunities Listing : 19 December 2011
Date Approved : 13 December 2011

In order to undertake the additional tasks required to conduct the feasibility studies for pilot projects that will mainstream the 3-R approach in SWM, additional work is required. The increase in the TA budget by \$300,000 from the Urban Financing Partnership Facility will fund the additional activities.

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

47. TA-8026-REG: Asia Life Sciences Fund

Executing Agency : Asian Development Bank
TA Amount (\$'000) : 1,500.0
Business Opportunities Listing : 18 January 2012
Date Approved : 20 December 2011

The PPTA will determine the feasibility of establishing a fund that provides cost- and risk-sharing at the clinical trial stage of drug development. This represents a sweet spot for investors as it is lower risk than early-stage drug discovery, but at a higher cost where startup drug companies need access to financial investors. The PPTA will also examine the feasibility of including a virtual development pipeline approach where instead of an equity investment in a startup company, the fund would enter a joint venture (JV) with a more established drug company. The JV would be capitalized by equity from the fund and the discounted market value of therapies under development.

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

(B) TECHNICAL ASSISTANCE PROJECTS NOT EXCEEDING \$225,000**48. TA-7928-BAN: Governance and Capacity Development**

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	200.0
Business Opportunities Listing	:	15 December 2011
Date Approved	:	24 November 2011

The subject TA builds on the successful implementation of the Knowledge Management for Enhanced Operational Effectiveness Project, which was completed on 31 October 2011. This TA has contributed to enhanced operational effectiveness of ADB's Bangladesh portfolio by providing training and capacity building of 1400 government staff during 40 events in the fields of governance (audit, financial management, project management, procurement, recruitment and cross-learning with India in the fields of audit and portfolio management) and crosscutting issues (climate change, emergency assistance, environmental and social safeguards, and gender). The TA also supported development of knowledge products on climate change and environment.

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

49. TA-7960-BAN: Public Private Partnership in Higher Education

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Ministry of Education
TA Amount (\$'000)	:	225.0
Business Opportunities Listing	:	21 December 2011
Date Approved	:	6 December 2011

The objective of the small scale capacity development technical assistance (S-CDTA): Public-Private Partnerships for Higher Education is to raise the awareness and reach a shared understanding of stakeholders on the knowledge economy and the role of higher education in leading Bangladesh to face the global competition in knowledge economy. Various options of PPP and university-industry linkages – both international and regional best practices and home-grown innovations - will be introduced and discussed among the stakeholders as tangible ways to foster relevance of higher education in generating the market-oriented skills and applied research needed to maintain economic competitiveness. The S-CDTA will identify and work closely with the champions that can render leadership role at the government, academic community and private sector, and can influence public opinions. It will assist the government and ADB in identifying priority areas and potential interventions based on the recommendations by the stakeholders.

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

50. TA-8028-BAN: Capacity Building of the Anti Corruption Commission

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	110.0
Business Opportunities Listing	:	20 February 2012

Date Approved : 25 December 2011

The SSTA will arrange Foundation Training of newly recruited 70 officers of Anti Corruption Commission (ACC). The Government of Denmark will finance the entire cost of the TA. However, the administration of the TA will be ADB's responsibility. ACC will engage country's apex training institution, Bangladesh Public Administration Training Center (BPATC), to design and deliver two Foundation Training Courses for two groups of officers. BPATC has assessed training needs of the newly recruited officers and has accordingly designed the foundation training course. These will be full time residential training of two months duration. Each of the courses consists of 12 modules in broad anti corruption, legal and administrative areas. The topics include legal framework of anti corruption, historical background, code of criminal procedures, penal code, money laundering law, evidence act, ACC law and regulations, relevant constitutional provisions, financial and commercial laws, public financial management, corruption enquiry and investigation techniques, engagement of civil society in corruption prevention, office management, service rules, use of information technology in corruption prevention, case studies, report writing and presentations, etc. Senior faculty members of BPATC along with ACC senior officers and hired experts from outside will deliver the training.

Status of Consulting Services : The apex training institution of the country BPATC will be engaged to deliver the training.

51. TA-8032-BAN: Consolidation of Knowledge on Governance Initiatives

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 12 December 2011
Date Approved : 21 December 2011

This S-CDTA is proposed to take stock of and consolidate knowledge on good governance initiatives that have worked. Key activities in the S-CDTA are: (a) carry out background research on three specific subject areas/themes; (b) share the findings at a roundtable forum at which participants from various sectors and institutions will be present (including parliament, media, business sector, civil society, government); and (c) collation of these background reports as well as the proceedings of the roundtable forum in a published form for wider dissemination of knowledge.

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

52. TA-8011-CAM: Strengthening Knowledge Solutions for the Cambodia-ADB Partnership

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 20 February 2012
Date Approved : 5 December 2011

The key outputs of the TA include a set of reports and recommendations to ADB and the Government with: (i) a systematic analysis of development trends and issues to form the basis for the preparation of the successor to the Rectangular Strategy Phase II; (ii) directions for future

partnership priorities and strategic support aligned with the Government's next planning cycle 2014-2018, and forming the basis for the next CPS 2014-2018; (iii) a results management framework and plan, to support the development of indicators for the NSDP 2014-2018 and to provide inputs to sector and project results frameworks for ADB projects and programs; (iv) a functional country-based knowledge management system identified and developed in a sustainable manner; and (v) a sector assessment, strategy, and roadmap/ thematic assessment report, covering the preparation of all sector and thematic papers to support the CPS 2014-2018.

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

53. TA-8013-CAM: Support for Public-Private Partnership in Cambodia

Type of Technical Assistance : Policy and Advisory
Executing Agency : Ministry of Economy and Finance
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 12 March 2012
Date Approved : 16 December 2011

The impact of the S-PATA will be increased PPP to generate public infrastructure investments needed to accelerate Cambodia's economic growth, and to enable the leveraging of limited public sector investments in infrastructure. The outcome will be an improved enabling environment to catalyze PPP infrastructure investments in sectors such as power, water, transport, education and health sectors. This environment needs to be underpinned by strengthened institutional capacity in the public sector to develop PPPs.

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

54. TA-7922-IND: Support to Jawaharlal Nehru National Solar Mission

Type of Technical Assistance : Capacity Development
Executing Agency : Ministry of New and Renewable Energy (MNRE)
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 30 November 2011
Date Approved : 18 November 2011

Certain technologies including hybrid solar projects (with coal, biomass, gas), support reduced water usage (air/hybrid cooling), advanced storage technologies feature in the list of possible potential projects that have been identified based on a public consultation process. Selected pilot projects would be developed through competitive bidding according to the Jawaharlal Nehru National Solar Mission procedures. MNRE has identified several potential sites in discussions with state governments. A review of the technologies and the sites would need to be undertaken and technical support for the bid processing preparation has been requested. In addition, a team from MNRE has been setup to coordinate on the pilot projects. This team would visit operational sites for such new technology to confirm operability and assess viability under Indian conditions. In addition, MNRE would need to develop environmental guidelines for solar projects (including disposal issues). Support for development of such guidelines based on international best practices and national policies would be required.

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

55. TA-7653-INO: Strengthening National Public Procurement Processes (Supplementary)

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	National Public Procurement Agency
TA Amount (\$'000)	:	225.0
Business Opportunities Listing	:	3 October 2011
Date Approved	:	9 December 2011

The increase in TA amount is needed to complete the remaining TA activities in order to achieve the TA objective. The deficiency was due to the revision and refinement of main activities through the implementation of sub-activities to meet the actual requirements of the country public procurement reform without altering the TA expected impacts and outcomes. The implementation of the sub-activities required additional costs; this, combined with currency fluctuation and increase in price, utilized most of the original TA budget plan.

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

56. TA-7999-KGZ: Support for Strategic Assessment of the Kyrgyz Economy to Promote Inclusive Growth

Type of Technical Assistance	:	Policy and Advisory
Executing Agency	:	Ministry of Economic Regulation
TA Amount (\$'000)	:	225.0
Business Opportunities Listing	:	14 March 2012
Date Approved	:	14 December 2011

This S-PATA will support a strategic assessment of the Kyrgyz economy and trainings for key government officers on monitoring the implementation of the government's development strategies, especially the Medium-Term Development Program (MTDP). The assessment will identify critical development constraints and areas of reforms and investment required to promote inclusive economic growth. This will be an input into the government's preparation of a long term development strategy. It will also help the government to prioritize and coordinate between the national projects, reforms and activities already outlined in the draft MTDP for 2010-2014. The trainings are complementary to the assessment work; they will enhance its impact by improving the effectiveness with which the implementation of development strategies is monitored.

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

57. TA-8047-LAO: Strengthening Capacity for Enhanced Operational Effectiveness

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	205.0
Business Opportunities Listing	:	22 February 2012
Date Approved	:	27 December 2011

The Government of the Lao People's Democratic Republic (Lao PDR) has requested the ADB to provide TA to help strengthen the effectiveness and impact of ADB operations in the Lao PDR by (i) building capacity of government staff in monitoring sector results frameworks, (ii)

improving quality of project and program management, and (iii) assisting in mainstreaming the government asset management process. During consultations, ADB and the Government reached an agreement on the impact, outcome, outputs, implementation arrangements, and cost and financing arrangements for the S-CDTA.

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

58. TA-7424-MLD: Institutional Strengthening for Economic Management (Supplementary)

Type of Technical Assistance : Capacity Development
Executing Agency : Ministry of Finance and Treasury
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 21 December 2011
Date Approved : 21 December 2011

The government has requested to modify the scope of the TA to add the post project structuring, assessment and advisory work, and provide the appropriate budget to execute the studies and related transaction support. The proposed scope modification would require fielding a multidisciplinary team of individual consultants to undertake the requisite technical, environmental and social studies and conduct financial assessments and preliminary transaction structuring. To cover the costs of the additional scope, approval was sought for an increase in TA amount of \$225,000 on a grant basis from the TA Special Fund (TASF).

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

59. TA-7912-PHI: Strategic Policy Actions for Successful Structural Transformation and Inclusive Growth

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 26 March 2012
Date Approved : 24 October 2011

The desired impact of the proposed S-PATA is to enhance internal discussions within the Government on policy actions for successful structural transformation. The expected outcome is to inform policymakers about the strategic importance of the manufacturing sector development for inclusive growth. The output is a strategic policy paper that summarizes the research findings from economic developments in the Philippines and other emerging Asian economies and recommends concrete policy actions for successful structural transformation as a *sine qua non* of inclusive growth in the Philippines.

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

60. TA-8037-PHI: Developing a Public-Private Earthquake Pool in the Philippines

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 20 February 2012

Date Approved : 27 December 2011

The objective of the S-CDTA is to develop a financially sustainable pilot Earthquake catastrophe insurance pool covering middle class and mid-sized enterprise property owners within the scope of prevailing legislation and thus reduce the potential liability on Government's budget. The pilot Earthquake catastrophe insurance pool will strengthen national private insurance companies' ability to underwrite new policies on catastrophe risk and enhance their capacity to proactively manage and transfer risk to international reinsurance companies. Reduced vulnerability to earthquake-related disaster is the main objective of the proposed TA since the Republic of the Philippines is among the most highly prone countries to natural disasters, including earthquakes, in the Asia Pacific region. Based on the joint recommendation of the Insurance Commission and the Philippine Insurers and Reinsurers Association (22 July 2011 seminar), and review of the private sector-owned Indonesian Earthquake insurance pool, the S-CDTA will develop risk-based premium models to assist the development of a financially sustainable pool.

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

61. TA-7115-PRC: Strengthening the Capacity of the Judiciary to Implement Economic Laws (Supplementary)

Type of Technical Assistance : Capacity Development
Executing Agency : Supreme People's Court
TA Amount (\$'000) : 14.2
Business Opportunities Listing : 30 November 2011
Date Approved : 27 November 2011

It was recommended that the TA amount be increased by \$14,200 to enable the transfer of the amount equivalent to the cost of the remote classroom equipment for National Judges College's Kunming Branch. The source of funding for this increase is TASF. The increase in TA amount will supplement and enhance the TA's purpose and ensure the sustainability of the project activities.

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

62. TA-7306-PRC: Policy Study on Government Public Expenditure in Agricultural Production (Supplementary)

Type of Technical Assistance : Policy and Advisory
Executing Agency : Ministry of Agriculture
TA Amount (\$'000) : 200.0
Business Opportunities Listing : 24 October 2011
Date Approved : 18 October 2011

During the TA implementation, the government suggested that the policy recommendations and advocacy activities under component 4 of the TA be strengthened, and opportunities for knowledge sharing and policy dialogue on agricultural and rural development with other developing country governments be provided. To maximize the benefits of knowledge sharing, it is suggested that a high-level Knowledge Sharing Platform, with the theme of "Agriculture and Rural Development: Improving Farm Productivity and Rural Livelihoods," be organized in Beijing in November 2011. The increase in TA amount by \$200,000 from TASF will finance the costs of the workshop and the preparation of the knowledge product.

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

63. TA-7961-THA: Support for Thailand's Flood Management Knowledge Forum

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 1 December 2011
Date Approved : 9 December 2011

In response to the major and on-going flood event in Thailand, the Government seeks to take early steps to strengthen flood management in the context of developing its overall water management strategy. Consistent with these efforts, the TA is proposed to (i) assist the Government to prepare and organize an international knowledge forum as an early step in supporting efforts to identify alternatives to strengthen strategies for flood management, in the context of water resource management and disaster risk management, and (ii) support a sub-national workshop to support the Government's effort to further discuss alternatives for strengthening flood management.

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

64. TA-7491-REG: Support for South Asia Regional Economic Cooperation (Supplementary)

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 23 December 2011
Date Approved : 22 December 2011

The existing RETA financed the Study on the Indian Ocean Cargo and Passenger Ferry, which was presented to the 17th South Asia Association for Regional Cooperation (SAARC) Summit. However, the additional request presented to the SAARC Secretariat through the Summit declaration was not anticipated. A minor change in RETA scope and implementation arrangement is required to cover the additional 10 person-months of consulting services. This change requires an increase in the RETA budget by \$225,000 which will be financed from TASF.

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

65. TA-7494-REG: Fourth High-Level Forum on Aid Effectiveness (3rd Supplementary, 4th Supplementary and 5th Supplementary)

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 365.9
Business Opportunities Listing : 23 November 2011
Date Approved : 18 November 2011

Since the contributions from donors cannot be anticipated and could come at any time, the transfer of the Trust Fund resources to the TA has to be made in tranches, thus the need to regularly increase the TA amount. The funds will be used for training, seminars, conferences (consultations), particularly the travel and related costs of sponsored participants from developing countries and civil society organizations, including those from non-ADB member countries.

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

66. TA-7507-REG: 2011 International Comparison Program for Asia and the Pacific (2nd Supplementary)

Type of Technical Assistance : Research and Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 161.0
Business Opportunities Listing : 13 July 2011
Date Approved : 15 September 2011

The increase in TA amount by \$161,000 will be used to finance additional regional data validation workshops as a result of an increase in geographic coverage of the non-household sectors (machinery and equipment, construction and dwellings) and the implementation of new approaches/ methods that require information other than prices.

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

67. TA-7753-REG: Strengthening Coastal and Marine Resources Management in the Coral Triangle of the Pacific (Phase 2) (Supplementary)

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 18.2
Business Opportunities Listing : 12 January 2012
Date Approved : 13 December 2011

The TA will help ensure food security for the population in Coral Triangle Pacific countries, resulting from the increased resilience of coastal and marine ecosystems. It will support the introduction of more effective management of coastal and marine resources, especially those associated with coral ecosystems, to build their resilience in a period of increased threats arising from human induced and climate change impacts. In order to reflect the exact Global Environment Facility grant amount, the difference of \$18,183 is proposed to be added and allocated to the contingency cost category which can be utilized for other project expenses.

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

68. TA-7893-REG: Support to Achieve the ASEAN Economic Community and Accelerate the Narrowing of Development Gaps by 2015

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 13 October 2011

Date Approved : 18 October 2011

The expected impact of the TA is improved environmentally-friendly transport and/or power connectivity, including related software in less developed ASEAN Member States to help achieve the ASEAN Economic Community (AEC) by 2015 and accelerate the narrowing of development gaps within ASEAN. The expected outcome is the design of initial two-year rolling work plans (2013-2014) in less developed ASEAN Member States in the selected areas from among the 15 priority projects listed in the Master Plan on ASEAN Connectivity and the activities listed in the Initiative for ASEAN Integration Work Plan, 2009-2015. The work plans will comprise sequenced, and where relevant, appropriately integrated benchmarks and targets in the selected areas for more rapid progress of smaller economies towards achievement of the AEC by 2015 and the narrowing of development gaps. The indicators will be the specific policy and capacity development steps required for the effective implementation of projects and activities listed in the work plans.

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

69. TA-7897-REG: Disbursement, Loan Accounting/Servicing Training and Seminars for DMCs

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 12 October 2011
Date Approved : 11 October 2011

Disbursement and loan servicing are key elements in the project cycle, and are key indicators in measuring project implementation and resource transfers to developing member countries (DMCs). To ensure compliance of ADB's disbursement and loan accounting/servicing policies and procedures and timely disbursement of loan/grants, ADB has been conducting seminars and workshops on disbursement for the staff of EAs, IAs, and audit staff of Auditor-General offices. ADB has also been conducting seminars and workshops on loan accounting and servicing for the staff of the finance ministries and central banks of the DMCs to enhance their accounting and debt servicing functions. The proposed regional S-CDTA will continue ADB's efforts in strengthening the institutional capacity of the DMCs in handling the Bank's disbursements, loan accounting and debt servicing.

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

70. TA-7907-REG: Drivers of Poverty Reduction in Asia and the Pacific

Type of Technical Assistance : Research and Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 28 October 2011
Date Approved : 10 November 2011

The intended impact of the S-RDTA is improved understanding of policy makers, researchers and other stakeholders on the mechanism and driving forces underlying the poverty reduction in the region. The outcomes are more effective and efficient policies and better-designed programs and projects that promote poverty reduction and inclusive growth. Major outputs of

this S-RDTA include: working papers and journal articles on the drivers of poverty reduction in the region, a workshop, and possibly a book volume.

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

71. TA-7911-REG: Broadening the Scope of Asian Bond Market Initiative under ASEAN+3

Type of Technical Assistance : Research and Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 145.0
Business Opportunities Listing : 22 November 2011
Date Approved : 11 November 2011

The expected impact of the S-RDTA is enhanced regional resource mobilization through deeper, more liquid, efficient, and harmonized capital markets in the Association of Southeast Asian Nations and China, Japan and South Korea (ASEAN+3) region. The outcome of the S-RDTA will be strengthened policy cooperation to develop capital markets in the region among ASEAN+3 member countries by adopting and implementing a new Asian Bond Markets Initiative with a broader capital market perspective.

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

72. TA-7930-REG: Sovereign Debt Crises in the US and the Eurozone: Potential Regional Impacts on Asia

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 6 December 2011
Date Approved : 22 November 2011

The S-PATA will produce a research study, a policy brief, three dissemination workshops in the region targeted at leading policymakers, and a policy seminar at the annual ADB meeting in May 2012. More specifically, the S-PATA will involve the preparation of background papers on issues related, but not limited to, the following topics: (i) potential short-term and medium-term impacts of external sovereign debt crises on Asia; (ii) policy options to address these impacts, including avenues for growth rebalancing; and (iii) possible responses at the regional level, including ADB's potential role. The background papers will be published as a research study, and the main findings and recommendations will be summarized in a policy brief.

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

73. TA-7941-REG: Preparing a Water Supply and Sanitation Handbook for Southeast Asia

Type of Technical Assistance : Research and Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 18 April 2011
Date Approved : 22 November 2011

The TA will fund the author as a consultant to (i) research and consult with stakeholders and experts in the region; (ii) write and illustrate the book; (iii) coordination of short-term local consultants engaged to undertake local research and prepare draft case studies; (iv) manage and facilitate circulation, internal and external peer reviews, and incorporation of comments; and (v) organize a book launch and supporting workshop in coordination with ADB's community of practice for water. Type-setting and printing of an initial batch of 600 copies of the book will be included in the TA, together with preparation of an e-book to be made available on ADB's website.

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

74. TA-7957-REG: Support for ASEAN Leaders Forum on Human Resource Development Towards an Integrated ASEAN Community

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 22 December 2011
Date Approved : 7 December 2011

The Southeast Asian Ministers of Education Organization (SEAMEO), through its Secretariat, seeks to create a platform for regular policy, strategic, and methodological dialogues among leaders and policy makers in education, training and human resource development on ASEAN-wide and cross-border issues. Such platform will generate innovative and forward-looking ideas to help to narrow development gaps in ASEAN and contribute to an integrated ASEAN Community starting in 2015. SEAMEO Secretariat has invited ADB to join this program as a regional partner.

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

75. TA-7969-REG: Promotion of Capital Market Instruments for Infrastructure Financing in the ASEAN

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 150.0
Business Opportunities Listing : 25 November 2011
Date Approved : 6 December 2011

The TA is expected to provide ADB and ASEAN members, as well as other stakeholders in both the public and private sectors, with support for their regional infrastructure development efforts through capital market financing. A key outcome will be the establishment of a mechanism to support the ASEAN's regional infrastructure development through a more active use of the capital market instruments and PPPs for infrastructure financing. This will support ADB's and ASEAN's common long-term objective of regional integration by contributing to greater awareness and understanding by the key stakeholders on the issues and benefits of regional infrastructure development. It further aims to identify and develop linkages with various activities/ initiatives of ASEAN and ADB on regional capital markets development to produce tangible outcomes concerning infrastructure financing.

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

76. TA-7977-REG: Lessons from DMC Project Processing Practices

Type of Technical Assistance	:	Policy and Advisory
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	200.0
Business Opportunities Listing	:	21 December 2011
Date Approved	:	14 December 2011

The TA will draw together representatives from DMC agencies responsible to oversee government approval processes for foreign financed projects along with one representative from a key sector executing agency supported by ADB in each DMC. The TA will provide an opportunity for government officials to exchange knowledge and practices including identifying good practices that may be transferred across DMCs.

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

77. TA-8021-REG: Asia-Pacific Trade Facilitation Forum 2012

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	225.0
Business Opportunities Listing	:	12 December 2011
Date Approved	:	19 December 2011

The expected impact of the SSTA is the increase of understanding and knowledge among countries in South Asia on trade facilitation measures. The expected outcome is a wide dissemination of knowledge on trade facilitation to the Asia-Pacific Trade Facilitation Forum (APTFF) member countries. To obtain these desired impact and outcome, the expected outputs of the APTFF include (i) a successful organization of the APTFF and side events, including a study tour to Colombo port, a multimedia exhibition event on new instruments and tools for trade facilitation, and at least one technical capacity building workshop; (ii) preparation and presentation of 8 to 10 research papers at the APTFF; and (iii) a joint ADB-Economic and Social Commission for Asia and the Pacific publication related to the theme of the APTFF, including presented research papers, and inputs of the APTFF participants.

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

78. TA-8022-REG: Strengthening South Asian Developing Member Countries' Capacity and Coordination for Mainstreaming Green Growth and Climate Change Resilience

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	225.0
Business Opportunities Listing	:	12 December 2011
Date Approved	:	23 December 2011

ADB is supporting climate changes initiatives in the DMCs of South Asia through various efforts such as the Pilot Program for Climate Resilience and Clean Energy Financing Partnership Facility. Moreover, a Climate Change Working Group under SARD has led the knowledge

sharing and team building efforts for mainstreaming climate change. While these initiatives and efforts have been instrumental in operationalizing the climate change adaptation and mitigation in a number of projects and programs in the South Asian DMCs, there is a need to provide more comprehensive support to the South Asian DMCs in their pursuit to invest in green growth, GHG emissions reduction and climate resilient development. This will require strengthening capacity of South Asia DMCs in mainstreaming green growth and climate change resilience through the provision of (i) support and coordination on sector development plans and programs; (ii) information, and decision support tools and guidelines; and (iii) resource and facility to incorporate adaptation and mitigation measures and green growth into country programs, sector development, projects and results frameworks.

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

79. TA-8025-REG: SASEC Subregional Energy Efficiency Initiative

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 22 December 2011
Date Approved : 21 December 2011

The impact of the S-CDTA would be the improved energy efficiency within the South Asia Subregional Economic Cooperation (SASEC) Subregion and Sri Lanka from implementation of energy efficiency (EE) investments in the SASEC DMCs and Sri Lanka. The outcome of the S-CDTA will be the enhanced capacities of SASEC DMCs and Sri Lanka to pursue EE initiatives by development of regional EE database, Energy Efficiency road map and associated subregional action plan.

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

80. TA-8030-REG: Support Capacity Building of Local Issuing Banks and Trade Finance Market Development

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 200.0
Business Opportunities Listing : 12 March 2012
Date Approved : 16 December 2011

This S-CDTA aims to support capacity building of local issuing banks and trade finance market development in ADB's developing member countries. The proposed TA also supports the operation and expansion of the Trade Finance Program (TFP). As there are persistent market gaps for trade finance, the TFP plays an important role in working with banks to support trade and all the job-creation and economic growth that comes from it.

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

81. TA-8035-REG: Impact Evaluation of Selected Projects in South Asia (Phase 2)

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank

TA Amount (\$'000) : 225.0
Business Opportunities Listing : 18 January 2012
Date Approved : 22 December 2011

The proposed SSTA will support continued mainstreaming of impact and other evaluations in SARD operations over the medium term through (i) designs and roadmaps of impact evaluation (IE) of selected new projects; (ii) suitable IEs and other evaluations, covering various dimensions of selected completed projects; and (iii) preparation of robust Project Completion Reports. Assessing the effectiveness of its projects is seen as an integral part of SARD operations to improve its operations and the quality of projects and programs delivered on the ground.

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

82. 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

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 195.0
Business Opportunities Listing : 21 December 2011
Date Approved : 27 December 2011

The regional S-PATA would: (i) undertake a rigorous background economic assessment of the likely impact of the ongoing global macroeconomic shifts, including those related to the PRC, on ASEAN and the three sub-regional groupings in Southeast Asia over the next four years to end-2015; namely, Brunei, Indonesia, Malaysia, Philippines - East ASEAN Growth Area, GMS, and Indonesia-Malaysia-Thailand Growth Triangle; and (ii) produce three background harmonized regional cross-sector and thematic assessments, strategies, and roadmaps (ASRs), along the lines prepared for the Southeast Asian CPSs with ADB, covering the agreed but still a priori strategic priorities; namely, improved connectivity, enhanced competitiveness, and promoting a sustainable environment. The background economic assessment would help validate the selection of the three strategic priorities, while the background regional ASRs would build on the relevant national ASRs to ensure that the Regional Cooperation and Integration initiatives are value-adding to the national programs, and thereby help ensure country ownership and commitment to implement the agreed operational programs.

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

83. TA-8044-REG: Provision of Environment Technical Services

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 97.0
Business Opportunities Listing : 20 January 2012
Date Approved : 15 December 2011

The ADB and the Environmental Protection Agency of the United States of America (USEPA) signed a Letter of Intent (LOI) on 12 May 2005 which provides a framework for regularly identifying shared areas of interest for cooperation in Asia and monitoring progress. Under the LOI, USEPA and ADB develop specific workplans for cooperation that outline each institution's

inputs and expected outcomes. The LOI was renewed on 30 March 2010 and is valid until 20 March 2015. Under this proposed S-CDTA, ADB and USEPA will cooperate in the specific areas agreed through the workplan where USEPA will make available experts who will provide environmental technical services to ADB-financed projects, programs, and technical assistance. This S-CDTA will enable USEPA to cooperate with ADB in providing assistance to countries in the Asia Pacific region.

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

(C) TECHNICAL ASSISTANCE CLUSTER SUBPROJECTS

84. TA-7884-IND: Advanced Project Preparedness for Poverty Reduction - Capacity Building for Bihar Urban Infrastructure Development (Subproject 16)

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Urban Development Department of the Government of Bihar
TA Amount (\$'000)	:	600.0
Business Opportunities Listing	:	19 September 2011
Date Approved	:	11 October 2011

The TA subproject will deliver three outputs: (1) implementing agency's capacity to prepare and issue design-build-operate contracts instituted – the consulting firm will work with the Bihar Urban Development Infrastructure Development Corporation, and the Bhagalpur municipal corporation; (2) executing agency's capacity to address Vikramshila Gangetic Dolphin Sanctuary (VGDS) in EIA enhanced – the consulting firm will assist executing agency in consulting the state Forest department for preparation of revised sanctuary management and dolphin conservation plans; and (3) capacity to develop awareness raising materials on VGDS built in executing agency – the consulting firm will assist the executing agency in consulting the communities in the dolphin sanctuary, and reputed non-government organizations for wildlife protection.

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

85. TA-7921-IND: Advanced Project Preparedness for Poverty Reduction - Supporting Clean Village Environments for MDGs (Subproject 17)

Type of Technical Assistance	:	Capacity Development
Executing Agency	:	Ministry of Drinking Water and Sanitation (MDWS)
TA Amount (\$'000)	:	600.0
Business Opportunities Listing	:	5 December 2011
Date Approved	:	15 November 2011

Through its support for improved sanitation and clean village environments, the impact of the subproject will contribute to India achieving targets related to MDG (Millennium Development Goals) 4 (child mortality) and MDG 7 (environmental sustainability) in rural India. The subproject outcome will be increased knowledge and capacity of MDWS and state and local government officials to strengthen implementation of Total Sanitation Campaign.

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

86. TA-8007-IND: Advanced Project Preparedness for Poverty Reduction - West Bengal North South Road Corridor (Subproject 18)

Type of Technical Assistance	:	Project Preparatory
Executing Agency	:	Department of Economic Affairs
TA Amount (\$'000)	:	1,100.0
Business Opportunities Listing	:	15 July 2011
Date Approved	:	9 December 2011

The project will improve the north-south connectivity of the state road network, including connection with the Haldia port, through an efficient, reliable and safe road transport in West Bengal. The project will: (i) widen 270 km of existing road from 2-lane to 4-lane standard; (ii) improve overloading enforcement on port traffic, and thus ensure efficient port connectivity and sustainability of the assets created; and (iii) strengthen the state road agency capacity for road development and maintenance.

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

87. TA-8019-IND: Advanced Project Preparedness for Poverty Reduction - State Road (Subproject 20)

Type of Technical Assistance : Project Preparatory
Executing Agency : Department of Economic Affairs
TA Amount (\$'000) : 2,000.0
Business Opportunities Listing : 8 July 2011
Date Approved : 21 December 2011

The main outcome of the TA will be the agreed design of the investment projects with enhanced project readiness, and the identification of the capacity development needs of state road agencies in developing and managing state roads in a sustainable manner. Project readiness will ensure that project preparation is ready for implementation with feasibility reports, safeguards planning documents, detailed project reports, and bidding documents prepared for priority roads. Sustainability of road development and management includes road asset management, planning capacity, streamlined business process, road safety, control of overloading and environmental consideration.

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

88. TA-8020-IND: Advanced Project Preparedness for Poverty Reduction - Rajasthan Renewable Energy Transmission Program (Subproject 19)

Type of Technical Assistance : Project Preparatory
Executing Agency : Rajasthan Rajya Vidyut Prasaran Nigam Limited
TA Amount (\$'000) : 225.0
Business Opportunities Listing : 23 December 2011
Date Approved : 21 December 2011

The TA's impact will be development of large scale cost effective renewable energy sources in Rajasthan. The outcome is the development of a facility for bulk power transmission system, especially for wind and solar renewable power generation, in West Rajasthan. The TA aims to carry out the required due diligence on technical, economic and gender development aspects of the facility. The PPTA will also make an initial assessment of the requirements for capacity development in Rajasthan for system operation for large scale renewable energy evacuation.

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

89. TA-8041-IND: Advanced Project Preparedness for Poverty Reduction - Designing and Capacity Building for Strengthening State Finances and Service Delivery in West Bengal (Subproject 21)

Type of Technical Assistance	:	Project Preparatory
Executing Agency	:	Finance Department - Government of West Bengal
TA Amount (\$'000)	:	220.0
Business Opportunities Listing	:	17 January 2012
Date Approved	:	17 December 2011

The impact of the TA will be improved state's finances consistent with targets under the Fiscal Responsibility and Budget Management Act and strengthened service delivery. The outcome will include measures to improve state's finances and strengthen service delivery. The outputs will be: (1) detailed public expenditures assessment; (2) background study on revenue mobilization; (3) background study on improving service delivery; (4) capacity development needs assessment; and (5) efficient project management.

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

90. TA-8043-IND: Advanced Project Preparedness for Poverty Reduction - Rajasthan Urban Development Program (Subproject 22)

Type of Technical Assistance	:	Project Preparatory
Executing Agency	:	Local Self Government Department
TA Amount (\$'000)	:	750.0
Business Opportunities Listing	:	3 November 2010
Date Approved	:	22 December 2011

The outputs of the TA include: (1) a Rajasthan state-wide urban sector development roadmap for 2014-2033; (2) a viable and sound investment program; (3) technical and financial review of subproject selection, design, costs, etc. Subprojects revised and refined as necessary; (4) Subproject Appraisal Reports for all components for Tranche 1; (5) report on Public Private Participation opportunities; (6) guide on eco-friendly and energy efficient equipment; (7) Financial Intermediary Options; and (8) institutional capacity building.

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

91. TA-8012-REG: Enabling Climate Change Responses in Asia and the Pacific - Disaster Risk Finance for Total Climate Risk (Subproject 6)

Type of Technical Assistance	:	Policy and Advisory
Executing Agency	:	Asian Development Bank
TA Amount (\$'000)	:	1,000.0
Business Opportunities Listing	:	15 December 2011
Date Approved	:	9 December 2011

The subproject aims to establish an Integrated Disaster Risk Management framework building on three areas simultaneously: disaster risk finance (DRF), disaster risk reduction and climate change adaptation (CCA). These key areas will be supported by the completion of capacity development projects, each of which will advance the use of disaster risk finance instruments, link the risk financing to investments in risk reduction, and promote CCA. The project activities will be organized around four outputs to achieve the outcome: (i) risk profiling and risk modeling; (ii) development of DRF product design options; (iii) awareness raising through consultation, training and dissemination; and (iv) establishment of a project management unit to implement the subproject.

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

92. 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)

Type of Technical Assistance : Policy and Advisory
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 3,292.0
Business Opportunities Listing : 20 January 2012
Date Approved : 20 December 2011

The technical advisory facility will provide expert services to DMCs, including eligible venture capital fund management teams, through a global anchor team, regional teams, an international technology think tank, and international firms or individual experts to provide ad hoc advisory services in areas outside the technology expertise of the anchor and regional teams. The global anchor team and regional teams will operate as a coherent facility and will coordinate the provision of services. Their technology expertise will cover priority sectors for investment, including clean energy, transport, water, and agriculture.

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

93. TA-8046-REG: Implementation of Sustainable Transport in Asia and the Pacific - Better Transport Data for Sustainable Transport Policies and Investment Planning (Subproject 1)

Type of Technical Assistance : Capacity Development
Executing Agency : Asian Development Bank
TA Amount (\$'000) : 1,000.0
Business Opportunities Listing : 17 January 2012
Date Approved : 19 December 2011

The impact of the TA is better informed policies and investment decisions in the DMCs in support of sustainable transport in general, and specifically the four pillars of the Sustainable Transport Initiative - Operational Plan. The outputs include: a publication of transport related data covering ADB's DMCs; policy dialogues with DMCs on the consequences of historic data and projected trends for transport policy and future investments in the transport sector; and an institutional coordination mechanism with other key transport data compilers to improve the sustainability of data collection in the region.

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