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Annual Report of the e-Asia and Knowledge Partnership Fund 2018

Asian Development Bank

ABBREVIATIONS

ADB	—	Asian Development Bank
ASEAN	—	Association of Southeast Asian Nations
BIMP-EAGA	—	Brunei-Indonesia-Malaysia-Philippines – East Asia Growth Area
CDD	—	community-driven development
CDM	—	capacity development mechanism
CDTA	—	capacity development technical assistance
DMC	—	developing member country
EAKPF	—	e-Asia and Knowledge Partnership Fund
GOK	—	Government of the Republic of Korea
ICT	—	information and communication technology
ICTWG	—	information and communication technology working group
ITS	—	intelligent transport system
KP	—	knowledge partnership
KSTA	—	knowledge and support technical assistance
MDG	—	Millennium Development Goals
MFF	—	Multitranches financing facility
OCO	—	Office of Cofinancing Operations
PATA	—	policy and advisory technical assistance
PPTA	—	project preparatory technical assistance
TRTA	—	transaction technical assistance
PPP	—	public private partnership
RC	—	Review Committee
RDTA	—	research and development technical assistance
RSDD	—	Regional and Sustainable Development Department
SASEC	—	South Asia Subregional Economic Cooperation
SDCC	—	Sustainable Development and Climate Change Department
TA	—	technical assistance

NOTE

In this report, “\$” refers to US dollars

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.

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EXECUTIVE SUMMARY

The e-Asia and Knowledge Partnership Fund (EAKPF) aims to contribute to poverty reduction and foster the economic and social development process in ADB's developing member countries (DMCs) by supporting technical assistance (TA) projects that promote technologies, including information communication technology (ICT) (e-Asia program), and help facilitate the creation and sharing of information and knowledge (knowledge partnership program).

In 2018, the EAKPF (the *Fund*) marks its 12th year of providing funding support to TAs with development impact and effectiveness. The Fund was established under the Asian Development Bank (ADB) on 30 June 2006, with a contribution of \$20 million from the Government of the Republic of Korea (GOK). The GOK has since made additional contributions to the Fund: \$6.37 million in December 2010, \$6 million in October 2011, \$7.85 million in November 2012, \$8 million in November 2013, \$8 million in November 2014, \$1.2 million in December 2015, \$14.5 million in December 2016, \$15 million in November 2017, and \$15 million in 2018. To date, the total Fund contribution remitted has reached \$102 million.

Starting with the 2015 Annual Report, the TAs have been counted based on the year that the TA funding proposals were submitted to and/or endorsed by GOK. In the past, TAs were counted based on the year of ADB approval.

In 2018, 20 new TA proposals were submitted to the Government of Korea (in batches), 16 of which were endorsed in 2018, translating to an 80-percent approval rate. Two of the proposals were either disapproved or cancelled. Five (5) of the endorsed proposals were under the e-Asia program while 11 were under the Knowledge Partnership program. Endorsed proposals consisted of 11 knowledge and support TAs (KSTAs), 2 grants, 1 transaction TA (TRTA), and 2 unclassified, as they are pending ADB approval.

From 2006 to 2018, a total of 144 TA proposals have been submitted for funding, of which 121 were endorsed by GOK, including 2 projects whose EAKPF funding was eventually cancelled,¹ 1 TA that was eventually cancelled by ADB, and 1 TA that was disapproved for implementation. The total TA financing committed in GOK-endorsed TAs reached \$59.68 million. Twenty (20) TAs were declined by GOK.

Of the GOK-endorsed proposals, 110 were approved for implementation by ADB and seven (7) were still pending approval, as of 31 December 2018.

Of the 76 completed and closed TAs, 70 have prepared completion reports. Around 78% were rated successful—19 were rated highly successful and 40 successful. Nine (9) TAs were rated partly/less than successful and one (1) was rated unsuccessful. One (1) TA is still ongoing but the EAKPF-funded component was already completed. Six (6) completed TAs had not prepared completion reports and project ratings as of 31 December 2018.

¹ The TA continued implementation but EAKPF fund was no longer required.

I. INTRODUCTION

1. The e-Asia and Knowledge Partnership Fund (the *Fund*) was established under the Asian Development Bank (ADB) in June 2006, with a contribution of \$20 million from the Government of the Republic of Korea (GOK), represented by the Ministry of Economy and Finance. The Annual Report (the *Report*), prepared by ADB's Sustainable Development and Climate Change Department (SDCC)² in collaboration with ADB's Office of Cofinancing Operations, aims to describe and review the progress of the Fund's operations for the period of January to December 2018. This is in compliance with the reporting requirements stipulated in the ADB Board Paper and the ADB–GOK Channel Financing Agreement.³ The GOK has since provided a total of \$102 million to the Fund. The Fund's grant status and financial statement as of 31 December 2018 are in Appendices 1 and 2.

II. BACKGROUND

A. Overview

2. The meaningful use of innovative approaches, including the promotion of technologies such as ICTs, and the strategic means of creating and disseminating knowledge are creating new opportunities for human development, poverty reduction, economic growth, and effective governance. The e-Asia and Knowledge Partnership Fund (the Fund) was created in response to a widening “digital divide,” or the difference between those who have access to ICT and those who do not, and the growing recognition of the importance of building knowledge to achieve development objectives. The Fund aims to contribute to poverty reduction and foster the economic and social development process in ADB's developing member countries (DMCs) through its two windows: the e-Asia program and the knowledge partnership program. The Fund supports diverse activities including TAs and grants. Projects from all DMCs of ADB are eligible for funding from the Fund. Starting 2017, the Fund's scope has been expanded to include all sectors, not just ICT.

3. The **e-Asia Program** aims to contribute to poverty reduction and economic and social development in DMCs through utilizing technologies including ICT. In support of the ADB ICT strategy⁴, the e-Asia program provides financing for: (i) ICT-related activities, including TAs; (ii) studies, research, and analytical work; (iii) capacity building and developing human resources through education and training; (iv) disseminating, networking, and cross-learning (e.g., policy consultations, seminars and workshops, conferences, publications, and websites); and (v) piloting innovative approaches to promote technologies including ICT.

4. The **Knowledge Partnership Program** aims to reduce poverty and foster economic and social development in DMCs by sharing information and knowledge. The knowledge partnership program is also expected to promote the facilitation of information and knowledge sharing and increase the effectiveness of poverty reduction activities.

5. Under Strategy 2020, ADB is also mandated to develop, mobilize and apply knowledge solutions from which it will distill and disseminate lessons, and to distribute knowledge that will achieve benefits for the poor. ADB's knowledge management directions and action plan (2013-

² Formerly named the Regional and Sustainable Development Department (RSDD).

³ See Appendix, ADB. 2006. *Republic of Korea e-Asia and Knowledge Partnership Fund*. Manila.

⁴ ADB. 2003. *Toward e-development in Asia and the Pacific: A Strategic Approach for Information and Communication Technology*. Manila.

2015)⁵ focuses on “prioritizing and implementing knowledge solutions; enriching the quality of ADB and DMCs’ knowledge capabilities for development effectiveness; advancing ADB’s knowledge assets, information systems, and communications; and empowering and resourcing high-quality knowledge solutions.”

6. The knowledge partnership program includes: (i) policy advice/dialogue and TA involving the use of experts in economic development and capacity building; (ii) capacity building and institutional development in DMCs, including training workshops, vocational training, and long and short training and learning courses; (iii) publications that will disseminate successful development knowledge to developing countries in the region; (iv) studies, research, and analytical work; (v) projects on reforming government, improving governance in the business and financial sectors, and privatizing state-owned enterprises; and, (vi) disseminating, networking, and cross-learning (e.g., policy consultations, seminars, workshops, conferences).

B. Fund Administration

7. SDCC is responsible for technical and implementation aspects of the Fund while the Office of Cofinancing Operations is responsible for general and financial aspects of the Fund. The fund website⁶ provides some information on the Fund.

8. For quality assurance of the projects under the Fund, the TA funding proposal is reviewed by specialists from SDCC, after proposals with a TA concept paper are submitted. In particular, SDCC carries out the following functions: (i) consultation of proposal requests with project officers, (ii) liaising with the ADB’s specialists for review on project proposals, and (iii) corresponding with GOK on the proposals.

9. **Criteria.** To be eligible for funding, proposals: (i) should be conceptually, programmatically, and procedurally aligned with the ADB country partnership strategy (CPS) or the regional cooperation strategy (RCS); (ii) should be in line with the ADB’s ICT policy and strategies,⁷ particularly for ICT projects; (iii) should be discussed with key country stakeholders; (iv) shall use expertise from the Asia and Pacific region to the extent possible; (v) will encourage contributions, either in kind or in cash, from DMCs that will be benefited from activities financed under the Fund; (vi) will be encouraged to collaborate with international development partners; and/or (vii) may provide cofinancing opportunities with the Republic of Korea and other funding agencies if the Fund is used for preparing investment projects.

10. **Approval Process.** A proposal to the Fund consists of (i) the TA concept paper, (ii) the design and monitoring framework, and (iii) the itemized cost estimate. The detailed processing procedure is described in Appendix 6.

11. **High Level Consultation Meeting with the Government of Republic of Korea.** The 4th ADB–Republic of Korea High-Level Consultations was held on 23 February 2018 in Seoul, Korea to review ways to strengthen collaboration given the shared interest of ADB and Korea in promoting development in the region. Concrete next steps for active operations of the Fund were discussed during bilateral meetings. Given the Amendment in 2016 introduced provisions to allow exceptions to the funding ceiling of individual grants (currently \$500,000), a guideline for

⁵ ADB. 2013. *Knowledge Management Directions and Action Plan (2013-2015): Supporting “Finance ++” at the Asian Development Bank*. Manila.

⁶ ADB. e-Asia and Knowledge Partnership Fund. <http://www.adb.org/site/funds/funds/e-asia-and-knowledge-partnership-fund>

⁷ See Footnote 3. <https://www.adb.org/documents/toward-e-development-asia-and-pacific-strategic-approach-information-and-communication>

exceptions was established. It was discussed how the Fund would support projects to strengthen utilizing Korean development knowledge and experiences, and expand collaboration with Korean institutions

12. **Implementation Guidelines.** The guidelines, released in May 2017, include priority areas, such as: 1) Infrastructure, including Energy, Water, and Transport, 2) Public Sector Management, Education, Health, and Finance, and 3) Climate Change and Disaster Risk Management, and Rural Development and Food Safety. Based on the guidelines, the Fund will finance components of investment projects, stand-alone grant-financed activities, and TA operations.

C. Monitoring and Evaluation

13. Progress in project implementation has been monitored through the submission of annual progress reports by the concerned project officer. The template for annual progress report is attached in Appendix 5.

III. PROCESSING OF TA PROPOSALS IN 2018

A. 2018 TA Proposals

14. In 2018, 20 TA proposals amounting to \$ 11.08 million were submitted to GOK, of which 16 were endorsed and 2 were underway. See Table 1 below for the details of TA proposals submitted in 2018 that were endorsed by GOK.

Table 1. 2018 TA proposals endorsed by GOK

Count	TA/Project Number	TA Type	Geographical Scope	Sector	Fund Window	TA Title	Objective/ Outcome
1	TA 9707	KSTA	REG (ROK, MON, PRC)	Agriculture, natural resources and rural development; Finance; Health; Industry and trade; Transport	Knowledge Partnership	Northeast Asia Regional Development Studies	Effective NEA subregional cooperation knowledge platform established.
2	TA 9557	KSTA	REG	Education; Information and communication technology; Public sector management	Knowledge Partnership	Demonstrating Innovative Employment Solutions through Regional Knowledge-Sharing Partnerships with Youth Organization	Youth skills for employment enhanced.
3	TA 9722	SS-KSTA	UZB	Finance	Knowledge Partnership	Support to the Operationalization of Uzbekistan Mortgage Refinancing Company (UMRC)	Mortgage Finance Sector strengthened.
4	TA 9364	KSTA	REG	Finance	Knowledge Partnership	Strengthening Financial Sector Operations in Asia and the Pacific	Capacity of DMCs to promote finance sector development enhanced at the national level.
5	TA 9415	KSTA	REG	Education	e-Asia	Innovation in Education Sector Development in	Knowledge and capacity in applying

						Asia and the Pacific (Supplementary)	innovative and good practices in improving learning and labor market outcomes enhanced.
6	52230-001	TRTA	PRC	Information and communication technology; Public sector management; Transport; Water and other urban infrastructure and services	Knowledge Partnership	Xiangtan Low-Carbon Transformation Sector Development Program (SDP) in Hunan	Use of low-carbon enabling systems in Xiangtan increased.
17	51182-001	N/A (Proposed)	CAM	Energy	Knowledge Partnership	National Solar Park Project: Socially Inclusive Capacity Development in the Electric Utility Industry	Solar energy power generation in Cambodia increased.
8	TA 9555	KSTA	IND	Industry and trade; Public sector management; Transport	Knowledge Partnership	Supporting Logistics Sector Development	National integrated logistics development plan approved.
9	TA 0033	C-KSTA	REG	Energy; ICT; Transport	e-Asia	Integrated High Impact Innovation in Sustainable Energy Technology	Use of sustainable innovative technologies in participating DMCs increased.
10	TA 9586	KSTA	REG (BAN, BHU, IND, MLD, NEP, SRI)	Industry and trade; Public sector management	Knowledge Partnership	Supporting Knowledge Solutions for New Development Strategies for South Asia Subregional Economic Cooperation Countries	Knowledge solutions adopted by SASEC countries
11	TA 9585	KSTA	PRC	Health; Public sector management	Knowledge Partnership	Policy and Capacity Building for Elderly Care	Policy framework for adequate and affordable elderly care service provision developed.
12	TA 9602	KSTA	BAN	Energy; Industry and trade; Public sector management; Transport; Water and other urban infrastructure and services	Knowledge Partnership	Knowledge Solutions for Inclusive and Sustainable Development	Well-informed and well-developed policies on economic management solutions adopted.
13	51366-001	N/A (Proposed)	PRC	Transport	e-Asia	Guizhou Gui'an New District New Urbanization Smart Transport System Development Project Supporting Project Preparation	Efficiency of transport system is increased.
14	Grant 0590	Grant	BAN	Energy	Knowledge Partnership	Southwest Transmission Grid Expansion Project: Socially Inclusive Capacity Development in the Electric Utility Industry	Capacity of electricity supply in Bangladesh increased.
15	TA 9569	KSTA	MON	Energy	e-Asia	Power and Heat Storage Option for Accelerating Renewable Energy Penetration	Readiness for investments in energy-storage technologies increased.

16	Grant 0593	Grant	REG (CAM, LAO)	Water and other urban infrastructure and services	e-Asia	Fourth Greater Mekong Subregion Corridor Towns Development Project	Urban services in Pakistan and Thakhek improved.
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Note: ADB = Asian Development Bank; BAN = Bangladesh; BHU = Bhutan; CAM = Cambodia; C-KSTA = Knowledge and support TA Cluster; IND = India; KSTA = Knowledge and support TA; LAO = Laos MLD = Maldives; MON = Mongolia; NEP = Nepal; PRC = People's Republic of China; REG = Regional; ROK = Republic of Korea; SRI = Sri Lanka; SS-KSTA = Small-scale KSTA; TA = Technical Assistance; TRTA = transaction TA; UZB = Uzbekistan.

Sources: ADB TA documents from www.adb.org; ADB Letters to the Ministry of Economy and Finance (MoEF); MoEF Letters to ADB.

B. Portfolio Distribution of 2018 TA proposals endorsed by GOK

15. **Technical Assistance Type.** Endorsed proposals consisted of 11 knowledge and support TAs (KSTAs), 2 grants, 1 transaction TA (TRTA), and 2 TAs pending classification. Figure 1 shows the types of TA proposals endorsed by GOK in 2018.

16. **Geographical Distribution.** Seven (7) TAs were regional in scope while nine (9) TAs were implemented in the following countries: PRC (3), Bangladesh (2), Cambodia (1), India (1), Mongolia (1), and Uzbekistan (1). Figure 2 shows the geographical scope of TA proposals endorsed by GOK in 2018.

17. **Sector Distribution.** Eight (8) TA proposals were under multiple sectors, three were under energy, two were under finance, and one TA each focused on these sectors: education, transport, and water. Figure 3 shows the sector distribution of TA proposals endorsed by GOK in 2017.

18. **Fund Windows.** Five endorsed TAs were under the e-Asia program for \$3 million and 11 were under the Knowledge Partnership program, which secured funding for \$6.35 million, with total funding commitment reaching \$9.35 million. Figure 4 shows the fund window distribution of TA proposals endorsed by GOK in 2018.

Figure 1. Types of TA proposals (2018)

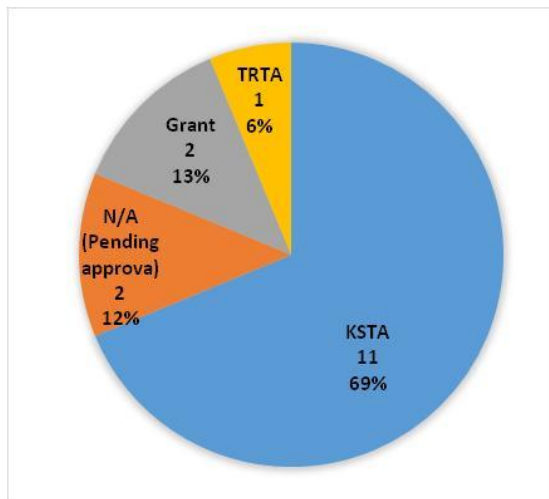
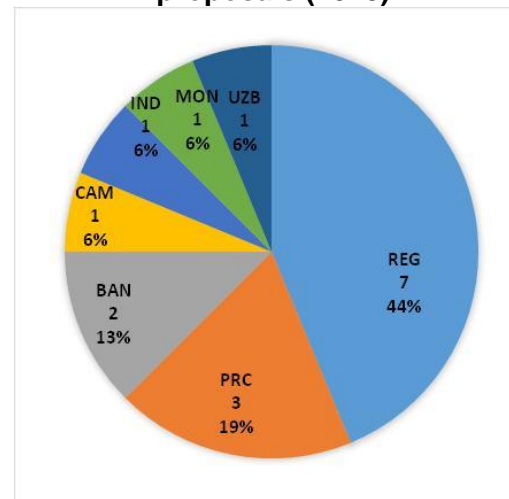
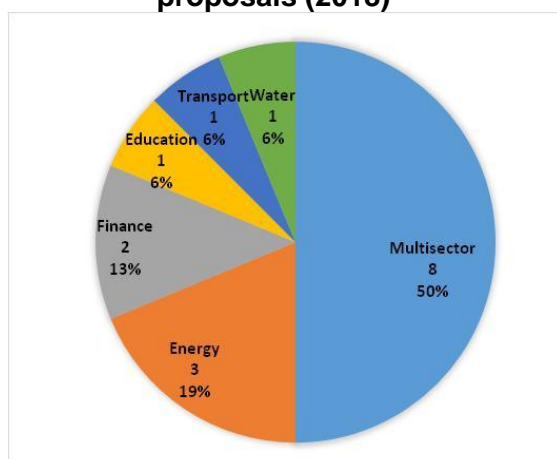


Figure 2. Geographical distribution of TA proposals (2018)



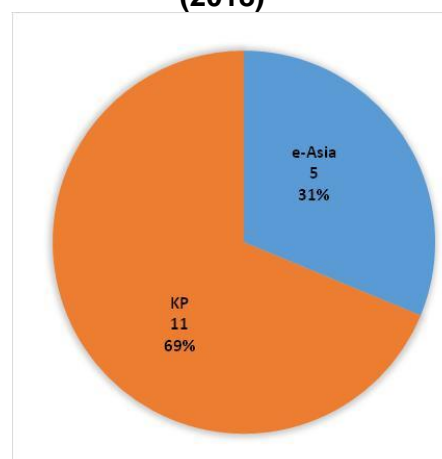
Source: TA concept papers submitted to SDCC and GOK.

Figure 3. Sector distribution of TA proposals (2018)



Source: TA concept papers submitted to SDCC and GOK.

Figure 4. Fund Window of GOK TA proposals (2018)



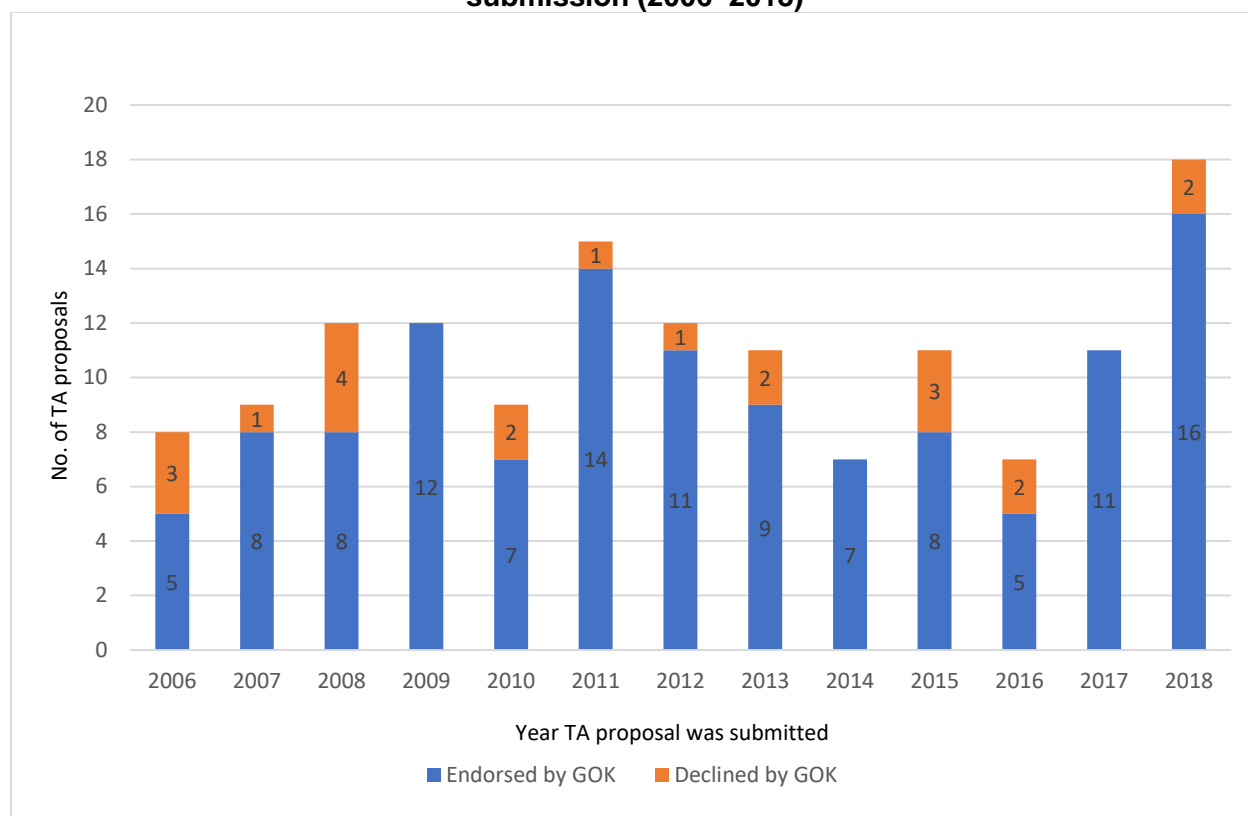
IV. HIGHLIGHTS OF TA APPROVAL AND IMPLEMENTATION

A. Approval of TA proposals in 2006-2018

19. From 2006 to 2018, a total of 144 TA proposals have been submitted for funding, of which 121 were endorsed by GOK for a total TA financing of \$59.68 million. Of the endorsed TAs, 2 projects whose EAKPF funding was eventually cancelled,⁸ 1 TA that was eventually cancelled by ADB, and 1 TA that was disapproved for implementation. Twenty (20) TAs were declined by GOK. Of the endorsed proposals, 110 were approved for implementation by ADB and seven (7) were still awaiting approval, as of 31 December 2018 (see Appendix 2 for a detailed list of ADB-approved projects 2006-2018). Figure 5 below shows the number of TA proposals endorsed and disapproved over the past 12 years based on the year of submission to GOK.

⁸ The TA continued implementation but EAKPF fund was no longer required.

Figure 5. GOK Endorsements and Disapprovals based on year of TA proposal submission (2006–2018)



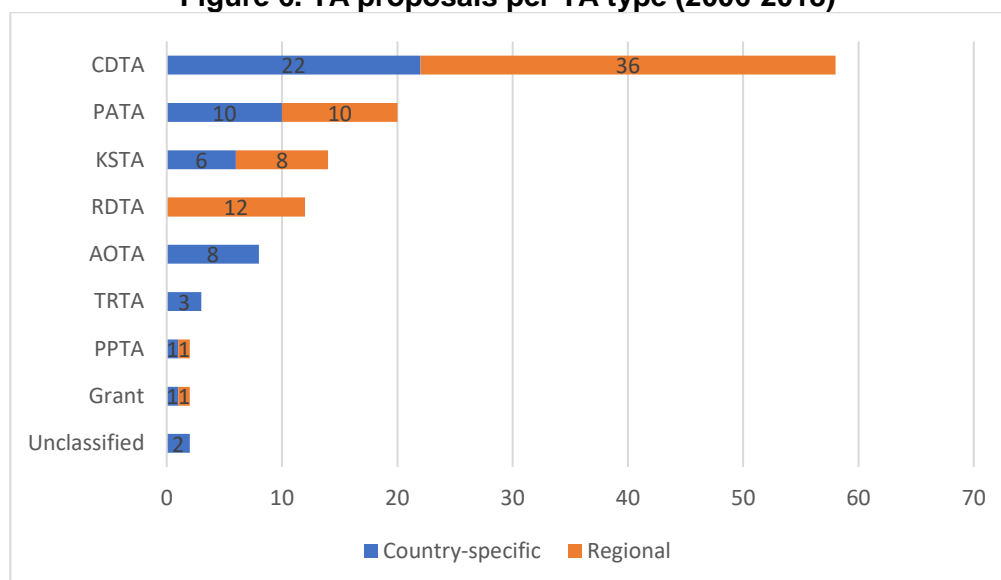
Notes: GOK = Government of Korea.

Source: TA proposals submitted between July 2006 and December 2018.

B. Portfolio Distribution of TA proposals in 2006-2018

20. **Technical Assistance Type.** As of end-2018, 58 of the TA proposals approved by GOK (48% of total) were classified as capacity development TA (CDTA) (22 country-specific, 36 regional). Twenty TAs (17% of total) were categorized as policy and advisory (PATA) (10 country-specific, 10 regional), 14 (12% of total) were classified as knowledge and support TA (KSTA), 12 (10% of total) as RDTA (all regional), 8 (7% of total) were advisory TA (AOTA) (all country-specific), 3 (2% of total) were transaction TA (TRTA) (all country-specific), 2 were project preparatory TA (PPTA) (1 country-specific, 1 regional), 2 (2% of total) were grants (1 county-specific, 1 regional), and 2 (2% of total) were still unclassified (1 county-specific, 1 regional). See Figure 6 for the TA type of approved proposals in 2006-2018.

Figure 6. TA proposals per TA type (2006-2018)⁹



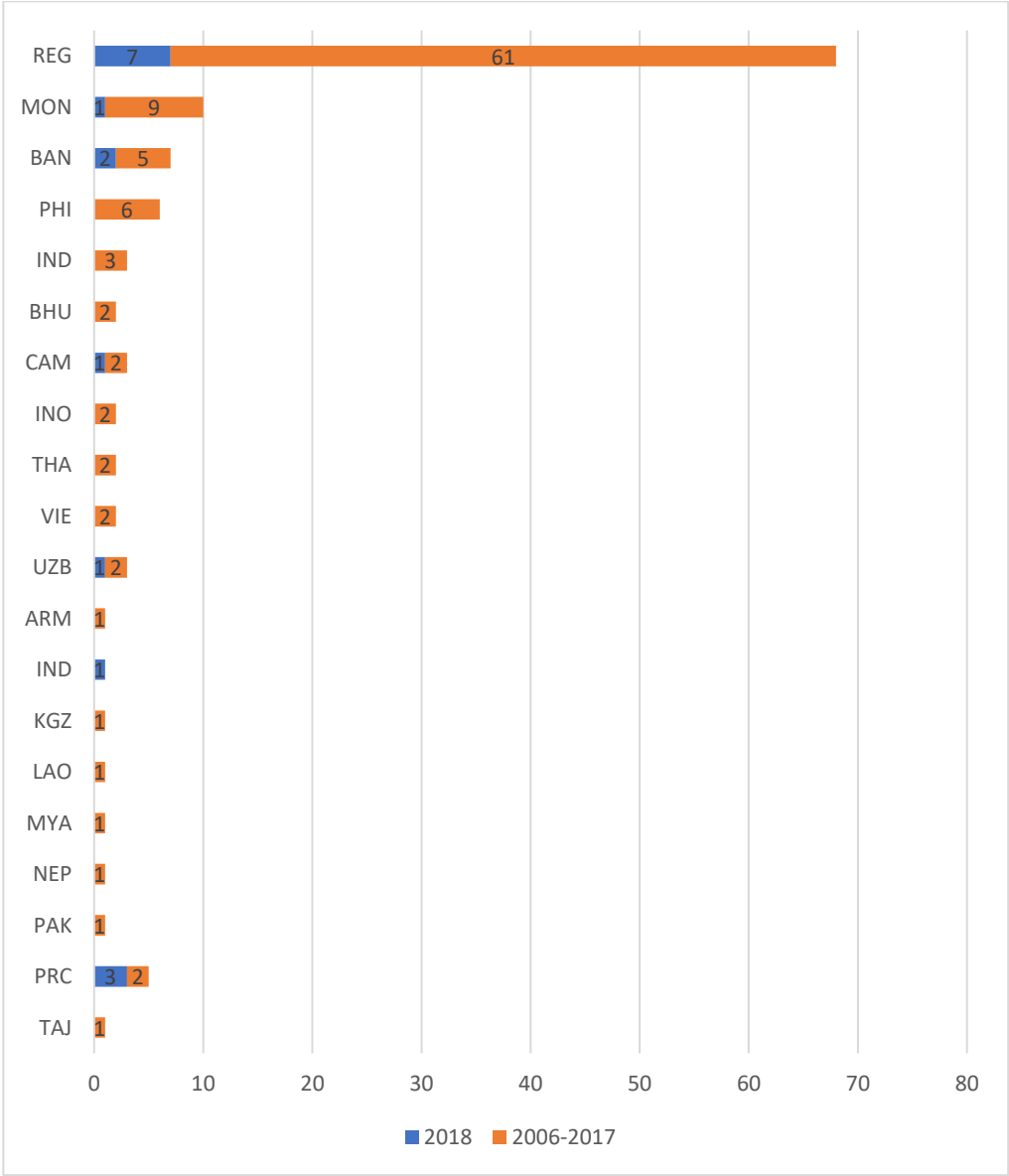
Source: TA proposals between July 2006 and December 2018.

21. Geographical Distribution. About 56% of all endorsed TA proposals in 2006-2018 were regional in scope. In terms of country-specific projects, Mongolia (8%) had the most number TAs, followed by Bangladesh (6%), the Philippines (5%). Figure 7 shows the geographical distribution of approved TAs in 2018, and between 2006 and 2017.

22. Sector Distribution. Multisector (25%) had the most number of TAs from 2006 to 2018, followed by public sector management (24%) and finance (16%). Figure 8 shows the sector distribution of TAs for the period 2006-2018.

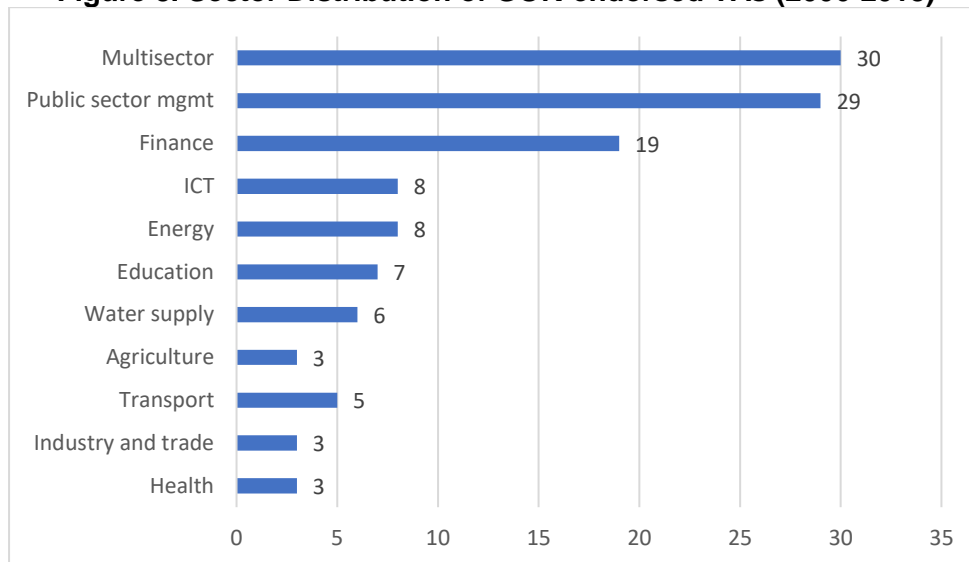
⁹ The types of TAs include: (i) project preparatory technical assistance (PPTA) – for preparing projects for financing by ADB and/or other external sources; (ii) policy and advisory technical assistance (PATA) – for financing sector-, policy- and issues-oriented studies; (iii) capacity development technical assistance (CDTA) – for undertaking institutional and organizational capacity development and to support the implementation, operation, and management of ADB-financed projects; (iv) research and development technical assistance (RDTA) – for strengthening ADB's role as knowledge platform to address development issues of a global or Asia and Pacific wide nature. See ADB. 2010. Technical Assistance Disbursement Handbook. ADB. Manila. <http://www.adb.org/documents/handbooks/tadisbursement/tadisbursement.pdf>. Some of the TAs approved before 1 January 2009 were classified according to the above definitions by the Fund manager.

Figure 7. Geographical Distribution of GOK-endorsed TAs (2006-2018)

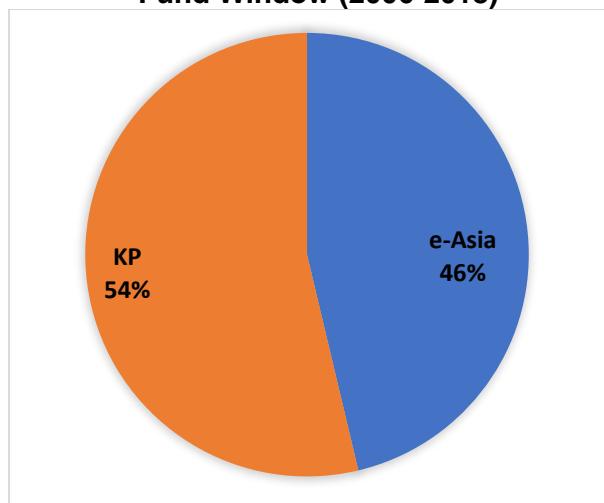


Source: TA proposals between July 2006 and December 2018.

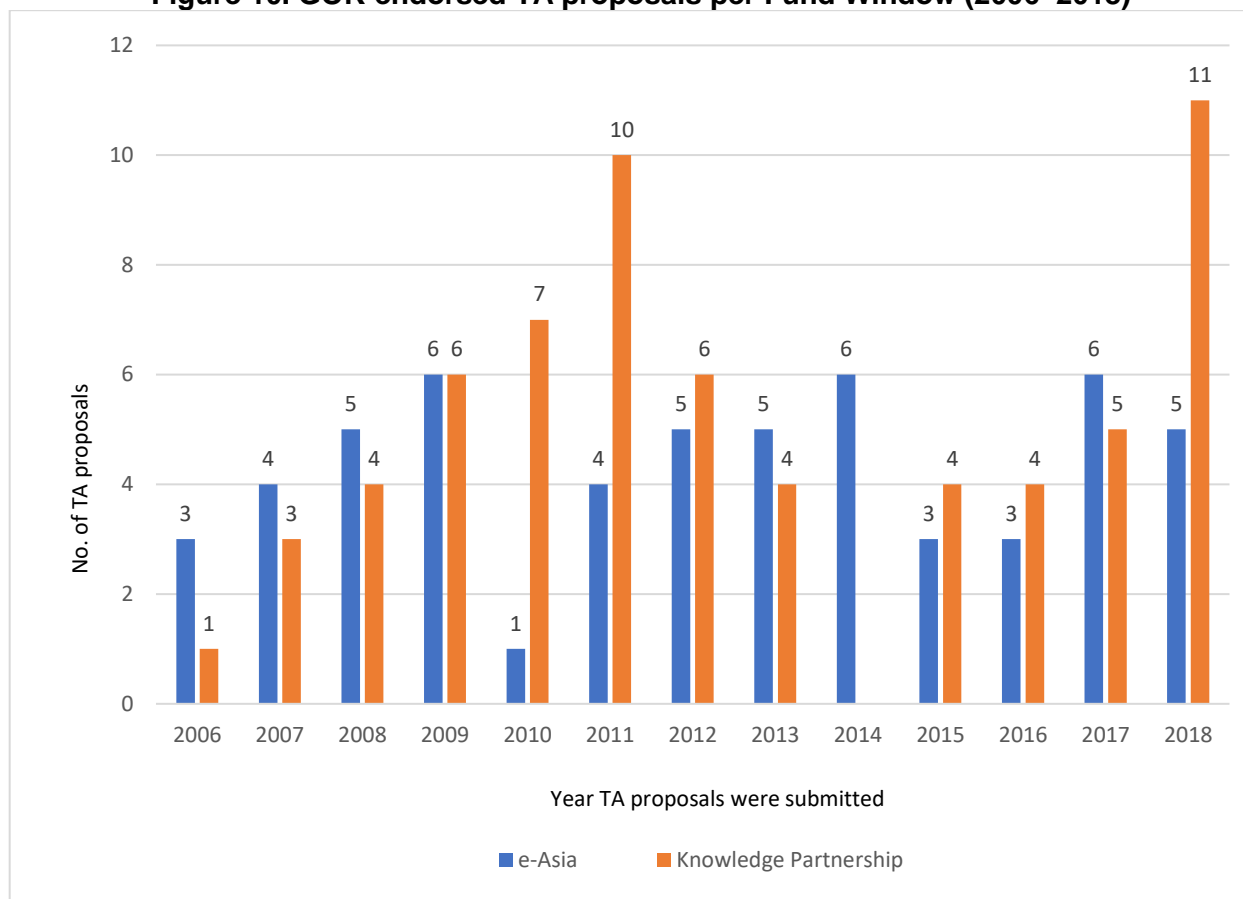
23. **Fund Windows.** The distribution of TAs endorsed under each fund window has been varied. In 2006-2008, 2013-2014, and 2017, more TAs were approved under the e-Asia program. In 2010-2012, and 2015-2016, and 2018, there were more TAs under the Knowledge Partnership fund. As of 31 December 2018, 56 TAs (46% of total) were endorsed under e-Asia, amounting to \$27.09 million and 65 TAs (54% of total) under knowledge partnership, amounting to \$32.59 million. Figure 9 shows the accumulated number of TA approvals per fund window from 2006 to 2018. Figure 9 illustrates the trend of the fund window distribution of GOK-endorsed TAs since 2006.

Figure 8. Sector Distribution of GOK-endorsed TAs (2006-2018)

Source: TA proposals between July 2006 and December 2018.

Figure 9. Accumulated No. of TAs per Fund Window (2006-2018)

Source: TA proposals between July 2006 and December 2018.

Figure 10. GOK-endorsed TA proposals per Fund Window (2006–2018)

Source: Approved TA proposals between July 2006 and December 2018.

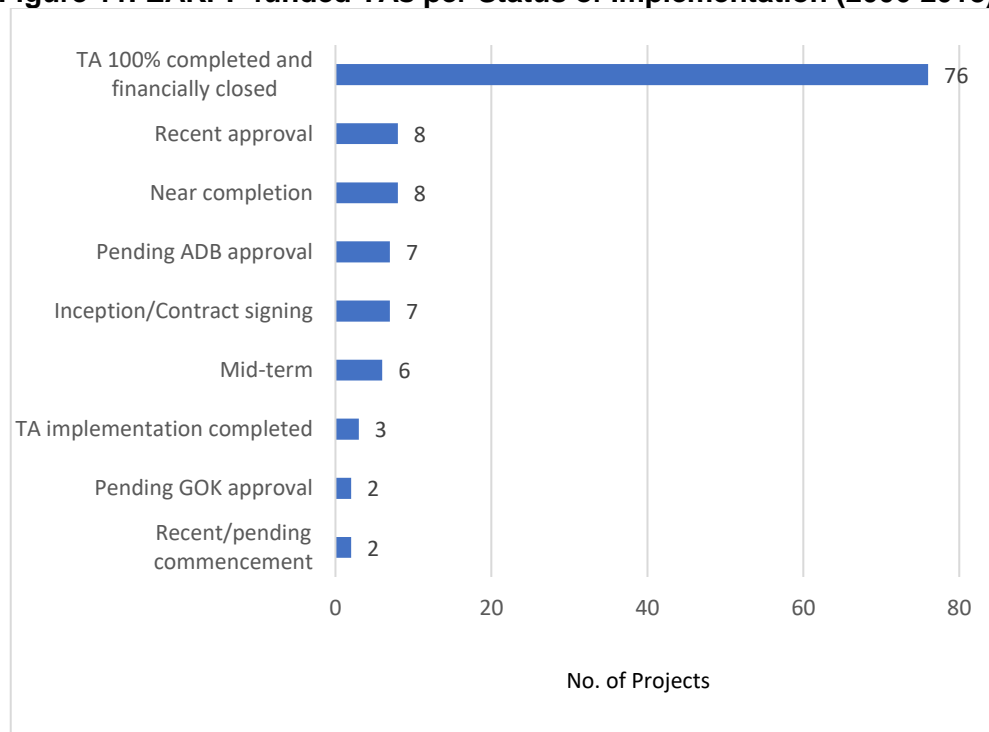
C. Status of Implementation

24. To date, ADB has approved for implementation 110 out of the 121 TA proposals (or 91% of total) endorsed by GOK. Of the total approved projects, 76 TAs (64% of total TAs approved by ADB) were already completed and financially closed, 70 (92% of total completed TAs) of which have completion reports. Based on the completion reports, 78% of the TAs was rated successful—19 TAs were rated “highly successful” and 40 “successful.” Nine TAs were rated “partly/less than successful” and one was rated “unsuccessful.” One (1) TA is still ongoing but the EAKPF-funded component was already completed. Six (6) completed TAs had not prepared completion reports and project ratings as of 31 December 2018.

25. Three (3) TAs (3% of total) had “completed implementation of activities, but not financially closed yet.” Eight (8) TAs (7%) were “near completion”¹⁰ and another eight were just approved in Q4 2018. Meanwhile, six (6) TAs (5%) were on their mid-term of implementation. Seven (7) TAs (6%) were at the “inception” or contract signing stage while another seven (7) were awaiting ADB approval. Two (2) TAs were awaiting GOK approval and another two just commenced. See Figure 11 for the distribution of ADB-approved TAs per status of implementation and Figure 12 for the rating of completed TAs.

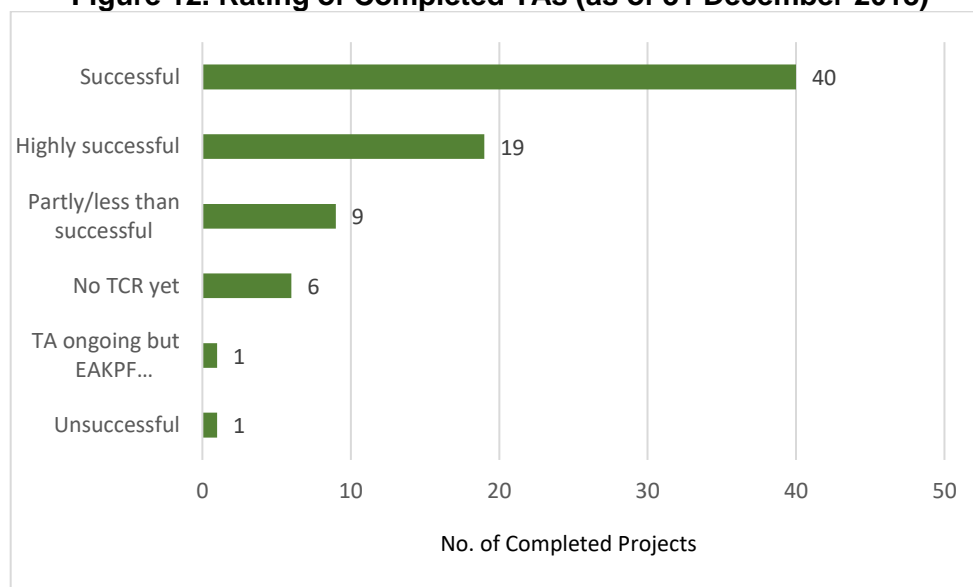
¹⁰ One of the TAs, TA 8248-UZB: Strengthening Governance and Improving Local Government Capacity for Results Based Service Delivery, had minor changes in TA scope and implementation arrangements approved in September 2014, leading to reduced TA inputs. As a result, TA surplus in the amount of \$340,000 was cancelled. Thus, the approved \$400,000 from EAKPF was no longer required.

Figure 11. EAKPF-funded TAs per Status of Implementation (2006-2018)¹¹



Source: TA progress reports submitted by project officers to the Fund manager as of 31 December 2018.

Figure 12. Rating of Completed TAs (as of 31 December 2018)



Source: TA completion reports as of 31 December 2018.

¹¹ The status of implementation is defined by the ADB implementing officers, according to their estimated accomplishment or completion of outputs: (i) inception phase – gathering of inputs and planning out project implementation with the project's stakeholders; (ii) mid-term – project activities and outputs at least 50% completed, (iii) near completion - project activities and outputs at least 80% completed, (iv) TA implementation completed – all project activities and outputs completed, but not yet financially closed, (v) TA 100% completed and financially closed – all project activities and outputs 100% completed and TA is financially closed, (vi) recent approval – project approval in the last three months only, and (vii) not yet implemented – proposal is GOK endorsed but awaiting ADB approval.

26. Based on the recent TA completion reports, a number of “**success factors**” could be identified. When sharing knowledge solutions, DMC participants usually learn from “customized knowledge solutions and best practices” that have “practical and proven solutions that are directly related to their tasks at hand,” which would increase the chances of TA interventions in influencing the DMC’s policy choices. “Active learning through discussions, field visits, and simulation exercises has proven to be far more effective than passive learning through keynote speeches, lectures and panel presentation,” as this makes the participants “more likely to adopt the knowledge solutions under their own context,” with some modifications as they see fit. Online learning was also seen as having a large potential as an alternative, cost-effective way of disseminating and improving knowledge and skills in DMCs.

27. When building capacity of DMCs in using new technologies, it is best to “continue beyond a project timeframe to ensure capacity is sustained and not restricted to only a small group of government experts who might not be retained. It is also advisable to adopt a holistic approach that introduces the use of a particular technology, such as geospatial data, to the overall information system, which entails training an entire division within a government agency.

28. In introducing e-learning systems, it was found that the role of teachers was equally important. “The preparedness or quality of teachers was important to achieving positive student outcomes.” DMCs must also “continuously upgrade and strengthen ICT infrastructure, such as internet connectivity, to optimize the use of e-learning systems. The “DMCs’ openness, willingness, and commitment are essential to adopt readily available quality e-learning systems that are more cost-effective solutions than developing new systems from scratch. Finally, “developing and implementing a national ICT in education masterplan is important for guiding medium- to long-term strategic and integrated policy reforms.”

Featured TA. Fighting Malaria and Dengue through Geospatial Mapping

The Greater Mekong Subregion (GMS) continues to face the challenge of communicable diseases, such as drug-resistant malaria, in border areas and increasing incidence of dengue linked to rapid and unplanned urbanization. Eliminating malaria and addressing the increase and spread of dengue require the identification of high-risk areas through active and real-time surveillance.

In 2014, ADB approved a technical assistance (TA) aimed at assessing how surveillance and control of malaria and dengue can be strengthened by applying cost-effective technology, such as geographic information systems (GISs), and mobile phones. The objectives of the TA were to: (i) strengthen regional networks of centers of excellence; (ii) build capacity of local epidemiologists, national malaria programs, and GIS experts; and (iii) facilitate partnership with the private sector. The TA was implemented in three DMCs in the GMS namely Cambodia, Myanmar, and Thailand.

The TA intended to improve malaria and dengue surveillance and control programs for mobile populations in Cambodia, Myanmar, and Thailand. Its expected outcome was to improve understanding of the impact of human mobility on malaria and dengue incidence in the said developing member countries. The TA was expected to produce the following outputs: (i) a GIS-based visualization system of human mobility data established and methodology evaluated; (ii) prevalence and incidence data of malaria and dengue analyzed; (iii) recommendations for targeting mobile populations in malaria and dengue surveillance and control programs communicated to the Ministry of Health (MoH) and other stakeholders; and (iv) capacity of application of GIS-based visualization developed.

The TA was *successful* in substantially increasing the understanding how human mobility and geography affect both diseases. This includes identifying men of working age as the primary mobile population at risk of malaria; mapping areas in each country with highest malaria risk and identifying areas within major cities with highest risk of dengue; population groups and locations for targeting malaria and dengue surveillance and control have been identified in all three countries; and rural areas at highest risk of malaria have been mapped and locations within major cities with highest dengue risk identified. Initial results have been shared with the

national programs and areas for targeting identified. As a result of the support extended under this TA to fund the first call data records (CDR) analytics in the GMS, additional funding has been secured to continue the work on the mobility analysis, making the TA *likely sustainable*.

Source: ADB. 2018. Technical Assistance Completion Report: Malaria and Dengue Risk Mapping and Response Planning in the Greater Mekong Subregion. Manila.

29. Of the 110 TAs approved for implementation, 64 TAs or 58% reported having some form of participation by Korean institutions or individuals.¹² This mostly involved such activities as co-organizing of events with Korean organizations, hiring of international consultants from universities or firms, getting resource speakers for knowledge-sharing activities, and organizing study tours to Korea for DMC participants, especially institutions or locations that showcase best practice in a certain field.

30. Finally, the EAKPF continued co-financing projects. It provided co-financing to 65 TAs or 59% of the total number of TAs approved for implementation, with the total amount of \$127,479,650, including other funding sources.¹³ The growing amount of co-financed projects is encouraged according to the ADB's finance ++ approach. This is also envisioned to further raise awareness of the Fund among ADB staff and stakeholders.

¹² Beginning 2013, ADB project officers were requested to document the involvement of Korean institutions and individuals in the implementation of TAs supported by the Fund.

¹³ TA reports and progress reports submitted by ADB project officers, as of 31 December 2018. Other funding sources include the TA Special Fund, Asian Development Fund (ADF), Clean Energy Fund, Climate Change Fund, Investment Climate Facilitation Fund, PRC Regional Cooperation and Poverty Reduction Fund, Financial Sector Development Partnership Fund, and the Japan Fund for Poverty Reduction (JFPR), among others.

Appendix 1. Status of Grant Contribution (as of 31 December 2018)

ASIAN DEVELOPMENT BANK ADMINISTRATOR FOR E-ASIA AND KNOWLEDGE PARTNERSHIP FUND GOVERNMENT OF THE REPUBLIC OF KOREA CHANNEL FINANCING AGREEMENT		Statement 1
STATUS OF GRANT As of 31 December 2018 (Expressed in Thousands of US Dollars)		
TOTAL CONTRIBUTION COMMITTED		102,156
Exchange gain (loss) on contribution received		<u>(238)</u>
NET CONTRIBUTION AVAILABLE		101,918
Interest income - cash in bank	155	
Interest income - investments	2,584	
Gain (loss) on foreign exchange transactions	<u>1</u>	<u>2,740</u>
TOTAL AMOUNT AVAILABLE		104,658
Amounts utilized for:		
Project expenditures (Statement 2)	(35,445)	
Contributions to ADBI	(5,650)	
ADB service fees	(1,758) ^{b1}	
Financial expenses	<u>(7)</u>	<u>(42,860)</u>
UNUTILIZED BALANCE		61,798 ^{a1}
Outstanding commitments	(14,410)	
Reserve for ADB service fees	<u>(720)</u> ^{b1}	<u>(15,130)</u>
UNCOMMITTED BALANCE		<u>46,668</u>

As applicable, non-US dollar currencies are expressed in thousands.

0 = less than \$500

^{a1} Represented by:

Cash in bank	3,239
Investment	58,549
Accrued interest	34
Interfund receivable	1
Interfund payable	(86)
Advances	<u>61</u>
	<u>61,798</u>

^{b1} Represents five percent (5%) and two percent (2%) of project expenditures/outstanding commitments for Technical Assistance and Grants, respectively.

Appendix 2. Statement of TA Expenditures as of 31 December 2018
e-Asia and Knowledge Partnership Fund
(Amount in US\$)

TA/Loan Number	Project Title	Scope	Approval Date by ADB	Fund Window	Amount	Cumulative disbursement as of 31 December 2018	Balance (Amount less Cumulative Disbursement) as of 31 December 2018	Status/Remarks
TA 9707	Northeast Asia Regional Development Studies	REG (ROK, MON, PRC)	26-Dec-18	Knowledge Partnership	1,000,000	-	1,000,000	Recent approval
TA 9557	Demonstrating Innovative Employment Solutions through Regional Knowledge-Sharing Partnerships with Youth Organization	REG	03-Aug-18	Knowledge Partnership	500,000	-	500,000	Recent approval
TA 9722	Support to the Operationalization of Uzbekistan Mortgage Refinancing Company (UMRC)	UZB	29-Mar-19	Knowledge Partnership	500,000	-	500,000	Pending ADB approval
TA 9364	Strengthening Financial Sector Operations in Asia and the Pacific	REG	30-Aug-17	Knowledge Partnership	500,000	-	500,000	Recent approval
TA 9415	Innovation in Education Sector Development in Asia and the Pacific (Supplementary)	REG	02-Nov-17	e-Asia	500,000	-	500,000	Recent approval
TA 9555	Supporting Logistics Sector Development	IND	01-Aug-18	Knowledge Partnership	1,000,000	6,520	993,480	Inception
TA 0033	Integrated High Impact Innovation in Sustainable Energy Technology	REG	16-Oct-18	e-Asia	1,000,000	-	1,000,000	Recent approval
TA 9586	Supporting Knowledge Solutions for New Development Strategies for South Asia Subregional Economic Cooperation Countries	REG (BAN, BHU, IND, MLD, NEP, SRI)	12-Sep-18	Knowledge Partnership	500,000	-	500,000	Recent approval
TA 9585	Policy and Capacity Building for Elderly Care	PRC	10-Sep-18	Knowledge Partnership	350,000	-	350,000	Recent approval

TA 9602	Knowledge Solutions for Inclusive and Sustainable Development	BAN	01-Oct-18	Knowledge Partnership	500,000	-	500,000	Recent approval
Grant 0590	Southwest Transmission Grid Expansion Project: Socially Inclusive Capacity Development in the Electric Utility Industry	BAN	31-Jul-18	Knowledge Partnership	500,000	-	500,000	Inception
TA 9569	Power and Heat Storage Option for Accelerating Renewable Energy Penetration	MON	21-Aug-18	e-Asia	500,000	16,469	483,531	Inception
Grant 0593	Fourth Greater Mekong Subregion Corridor Towns Development Project	REG (CAM, LAO)	01-Aug-18	e-Asia	500,000	-	500,000	Pending commencement
TA 9420	Implementation of Sustainable Transport for All	REG	08-Nov-17	Knowledge Partnership	500,000	-	-	Recent commencement
TA 9446	Supporting the preparation and implementation of the comprehensive integrated master plan for the Chennai-Kanyakumari Industrial Corridor	IND	07-Dec-17	Knowledge Partnership	1,600,000	45,564	1,554,436	Inception
TA 9388	Sharing Development Knowledge Solutions in Asia and the Pacific	REG	26-Sep-17	Knowledge Partnership	750,000	290,769	459,231	Mid-term
TA 9265	Support to Strengthening Local Health Care Program -supplementary	VIE	14 Nov 17	Knowledge Partnership	500,000	255,476	244,524	Near completion
TA 9421	Ulaanbaatar Urban Services and Ger Areas Development Investment Program - Tranche 1	MON	6-Nov-17	e-Asia	500,000	34,723	465,277	Inception
TA 9497	Strengthening Asia's Financial Safety Nets and Resolution Mechanisms	REG	29-Jan-18	Knowledge Partnership	125,000	-	125,000	Inception
TA 9160	Information Technology (IT) Parks for Employment and Innovation Project (ITPEIP) Human Resource Development for Information Technology Engineers (Supplementary)	BAN	25 Jul 17	e-Asia	500,000	21,542	103,458	Inception

TA 8813	ICT for Development Initiative Facility for Asia and the Pacific (additional funding)	REG	16-Dec-14	e-Asia	1,000,000	959,653	540,347	Mid-term
TA 8813	ICT for Development Initiative Facility for Asia and the Pacific	REG	16-Dec-14	e-Asia	500,000			Mid-term
TA 9197	Creating a Regional Settlement Intermediary in ASEAN+3: Cross-Border Settlement Infrastructure Forum	REG	30-Sep-16	Knowledge Partnership	500,000	258,619	241,381	Near completion
TA 9180	Supporting Financial Sector Development and Stability	MON	26-Sep-16	Knowledge Partnership	300,000	217,582	82,418	Near completion
TA 9285	Enhancing the Institutional Capacity of the Anti-Corruption Commission	BAN	15-Dec-16	e-Asia	300,000	48,942	251,058	Mid-term
TA 9308	Promoting Low-Carbon Development in Central Asia Regional Economic Cooperation Program Cities (formerly Knowledge-based Low-Carbon Cities Development in CAREC)	REG	06-Apr-17	Knowledge Partnership	500,000	21,916	478,084	Mid-term
TA 9131	Intelligent Transport Systems Development for Mongolia	MON	01-Jul-16	e-Asia	500,000	313,645	186,355	TA implementation completed but not yet financially closed
TA 9001	Strategy for Northeast Asia Power System Interconnection	MON	27-Nov-15	Knowledge Partnership	500,000	225,759	274,241	Near completion
TA 8927	Enabling Poor Women's Benefits from enhanced access to energy in Hatiya Island	BAN	10-Jul-15	Knowledge Partnership	500,000	455,486	44,514	TA 100% completed and financially closed
TA 9048	Promoting Smart Drinking Water Management in South Asian Cities (additional funding)	REG	15-Dec-15	e-Asia	500,000	431,583	68,417	Mid-term

TA 9048	Promoting Smart Drinking Water Management in South Asian Cities	REG	15-Dec-15	e-Asia	500,000	-	-	Mid-term
TA 8994	Supporting Third Capital Market Development Program in Bangladesh	BAN	20-Nov-15	e-Asia	300,000	274,695	25,305	Inception
TA 9111	Strengthening Developing Member Countries' Capacity in Elderly Care	REG	13-May-16	Knowledge Partnership	500,000	52,248	447,752	Near completion
TA 8612	The Asia Leadership Program: Building Communities of Leaders through Regional Knowledge Sharing	REG	13-Dec-13	Knowledge Partnership	500,000	491,136	8,864	<u>TA 100% completed and financially closed</u>
TA 8254	Enhancing Economic Analysis and South-South Learning (Supplementary)	REG	6-Jul-15	Knowledge Partnership	500,000	488,568	11,432	TA implementation completed but not yet financially closed
TA 8836	Building Capacity for Enhanced Connectivity in Southeast Asia	REG	18-Dec-14	e-Asia	500,000	479,159	20,841	TA implementation completed but not yet financially closed
TA 8703	Enhancing Capacity to Mobilize Private Grant Cofinancing	REG	5-Aug-14	e-Asia	225,000	205,070.72	19,929	<u>TA 100% completed and financially closed</u>
TA 8686	Information and Communication Technologies for Social Protection in the Asia and Pacific Region	REG	11-Jul-14	e-Asia	500,000	433,393	66,606.98	<u>TA 100% completed and financially closed</u>
TA 8695	Teach for the Philippines	PHI	7-Aug-14	e-Asia	500,000	500,000	-	TA 100% completed and financially closed
TA 8620	Economic Analysis for Gender and Development	REG	14-Feb-14	Knowledge Partnership	500,000	361,656.00	138,344.00	<u>TA 100% completed and financially closed</u>
TA 8656	Malaria and Dengue Risk Mapping and Response Planning in the Greater Mekong Subregion	REG	26-May-14	e-Asia	417,000	139,188	277,812	Near completion
TA 8520	Asia Pacific Public Electronic Procurement Network	REG	2-Dec-13	e-Asia	500,000	500,000	-	Mid-term

TA 8589	Supporting the Operationalization of Community-Driven Development in Developing Member Countries	REG	16-Dec-13	e-Asia	500,000	366,622	133,378	<u>TA 100% completed and financially closed</u>
TA 8398	Design of e-Governance Master Plan and Review of Information and Communication Technology Capacity in Academic Institutions	MYA	4-Jul-13	e-Asia	500,000	488,000	12,000	<u>TA 100% completed and financially closed</u>
TA 8396	Mid-term Review of the Republic of Korea e-Asia and Knowledge Partnership Fund	REG	4-Jul-13	e-Asia	500,000	500,000	-	<u>TA 100% completed and financially closed</u>
TA 8483	Asia Energy Efficiency Accelerator	REG	10-Oct-13	Knowledge Partnership	500,000	470,077.39	29,922.61	<u>TA 100% completed and financially closed</u>
TA 8370	Establishment of the International Public Asset Management Company Forum (IPAF)	REG	23-May-13	Knowledge Partnership	500,000	414,115.14	85,884.86	<u>TA 100% completed and financially closed</u>
TA 8260	e-Government for Effective Public Management	UZB	17-Dec-12	e-Asia	400,000	288,013.29	111,986.71	Near completion
TA 8487	ICT for Better Education Services in Tonga and Solomon Islands	TON/ SOL	21-Oct-13	e-Asia	500,000	488,422.81	11,577.19	TA implementation completed but not yet financially closed
TA 8223	Supporting the Use of Carbon Financing to Promote Green Growth in Asia and the Pacific - supplementary	REG	12 Nov 12	Knowledge Partnership	500,000	299,653.21	200,346.79	<u>TA 100% completed and financially closed</u>
TA 8283	Improving Public Administration and Services Delivery through e-Solutions	BAN	14-Dec-12	e-Asia	500,000	108,315	391,685	<u>TA 100% completed and financially closed</u>
TA 7872	Learning from e-Learning: Testing Intelligent Learning Systems in South Asia	SRI/ BAN	27-Nov-12	e-Asia	500,000	500,000	-	TA 100% completed and financially closed
TA 8225	GMS Phnom Penh Plan for Development Management Phase V	REG	19-Nov-12	Knowledge Partnership	500,000	493,698.99	6,301.01	<u>TA 100% completed and financially closed</u>
TA 8214	Implementation of Prudential Standards in Islamic Finance	REG	13-Nov-12	Knowledge Partnership	250,000	238,115.68	11,884.32	<u>TA 100% completed and financially closed</u>

TA 8153	Policies for Industrial and Service Diversification in Asia in the 21st Century	REG	7-Sep-12	Knowledge Partnership	500,000	397,932.93	102,067.07	TA 100% completed and financially closed
TA 8164	Strengthening Knowledge-Based Economic and Social Development	PHI	14-Sep-12	Knowledge Partnership	500,000	385,011.94	114,988.06	TA 100% completed and financially closed
TA 6509	Minimizing Foreign Exchange Settlement Risk in the ASEAN+3 Region: Support for Group of Experts	REG	18-May-12	Knowledge Partnership	450,000	424,458	25,542	TA 100% completed and financially closed
TA 7971	Government Bond Market Development	MON	14-Dec-11	Knowledge Partnership	500,000	422,819	77,181	TA 100% completed and financially closed
TA 7911	Broadening the Scope of Asian Bond Markets Initiative under ASEAN+3	REG	11-Nov-11	Knowledge Partnership	145,000	102,776	42,224	TA 100% completed and financially closed
TA 8101	Implementation of Sustainable Transport in Asia and the Pacific - Intelligent Transport Systems (ITS) for Better Urban Transport (Subproject 3)	REG	27-Jun-12	e-Asia	300,000	290,697.34	9,302.66	TA 100% completed and financially closed
TA 6438	Implementation of the Technical Support Facility under the Carbon Market Initiative	REG	16-Sep-11	Knowledge Partnership	500,000	56,510	443,490	TA 100% completed and financially closed
TA 8033	Supporting Public Management through e-Governance Capacity Development	REG	23-Dec-11	e-Asia	500,000	255,361.70	244,638.30	TA 100% completed and financially closed
TA 7898	Developing the Services Sector as an Engine for Inclusive Growth	REG	25-Oct-11	Knowledge Partnership	500,000	383,127	116,873	TA 100% completed and financially closed
TA 7868	Republic of Korea-ADB Conference on Knowledge Sharing and Development Effectiveness in the Asia and Pacific Region	REG	21-Sep-11	Knowledge Partnership	124,000	88,448	35,552	TA 100% completed and financially closed
TA 7744	Asia-Pacific Community of Practice on Managing for Development Results - From Concept to Practice	REG	8-Sep-11	Knowledge Partnership	500,000	499,229.17	770.83	TA 100% completed and financially closed
TA 7881	Developing a Revenue Administration Management Information System (RAMIS)	BHU	06-Oct-11	e-Asia	500,000			TA 100% completed and financially closed

TA 7881	Developing a Revenue Administration Management Information System (RAMIS) (Supplementary)	BHU	05-Aug-15	e-Asia	150,000	648,987	1,013	TA 100% completed and financially closed
TA 7864	Financial Regulatory Reforms in Asia	REG	20-Sep-11	Knowledge Partnership	500,000	343,182.16	156,817.84	TA 100% completed and financially closed
TA 7805	Strengthening Support for the Asia-Pacific Economic Cooperation Financial Regulators Training Initiative (APEC FRTI)	REG	29-Apr-11	Knowledge Partnership	500,000	495,343	4,657	TA 100% completed and financially closed
TA 7903	Regional Forum on Public Sector Accounting	REG	2-Nov-11	Knowledge Partnership	500,000	458,978.50	41,021.50	TA 100% completed and financially closed
TA 7431	GMS Phnom Penh Plan for Development Management Phase IV	REG	22-Jun-11	Knowledge Partnership	500,000	496,975	3,025	TA 100% completed and financially closed
TA 7801	Strengthening Public Resources Management Program	TAJ	12-Apr-11	e-Asia	500,000	499,031	968.90	TA 100% completed and financially closed
TA 7706	Comparative Infrastructure Development Assessment of the Kingdom of Thailand and Republic of Korea	REG	10-Dec-10	Knowledge Partnership	400,000	385,584.80	14,415.20	TA 100% completed and financially closed
TA 7687	Strengthening Capacity to Address Climate Change for Small- and Medium-sized City Development	PRC	6-Dec-10	Knowledge Partnership	500,000	370,496	129,504	TA 100% completed and financially closed
TA 7601	Updating and Expanding Social Protection Index	REG	18-Sep-10	Knowledge Partnership	500,000	499,949.71	50.29	TA 100% completed and financially closed
TA 7576	Promoting an Interlinked ASEAN Capital Market	REG	9-Aug-10	Knowledge Partnership	500,000	243,255	256,745	TA 100% completed and financially closed
TA 7540	Mainstreaming Public-Private Partnerships (formerly, Mainstreaming PPP in Thailand)	THA	2-Jun-10	Knowledge Partnership	500,000	464,419	35,581	TA 100% completed and financially closed
TA 7543	Sharing Knowledge on Community Driven Development in Asia and the Pacific	REG	14-Jun-10	Knowledge Partnership	500,000	484,989	15,011	TA 100% completed and financially closed

TA 7552	Support for Trade Facilitation in BIMP-EAGA	REG	14-Jun-10	Knowledge Partnership	500,000	455,431.10	44,568.90	<u>TA 100% completed and financially closed</u>
TA 7556	Public Transport Information and Communication Technology	MON	29-Jun-10	e-Asia	500,000	420,722	79,278	<u>TA 100% completed and financially closed</u>
TA 8073	Consumer Protection in a Competitive Electricity Market with Open Access	PHI	16-Apr-12	Knowledge Partnership	500,000	90,043	409,957	<u>TA 100% completed and financially closed</u>
TA 7939	Water Supply and Sanitation Sector Development Project in Indonesia	INO	25-Nov-11	Knowledge Partnership	500,000	344,034	155,966	<u>TA 100% completed and financially closed</u>
TA 7379	Sustainable City Management in Asia (consolidated with Establishment of e-Systems in Support of Infrastructure Finance in Asia) Supplementary	REG	7-Sep-10	Knowledge Partnership	500,000	998,999	1,000	TA 100% completed and financially closed
TA 7379	Establishment of e-Systems in Support of Infrastructure Finance in Asia	REG	13-Nov-09	e-Asia	500,000			TA 100% completed and financially closed
TA 7334	India Municipal Finance Study	IND	24-Aug-09	Knowledge Partnership	500,000	324,265	175,735	<u>TA 100% completed and financially closed</u>
TA 7365	Capacity Building Program on Clean Development Mechanism (CDM)	MON	22-Oct-09	Knowledge Partnership	500,000	431,758	68,241	TA 100% completed and financially closed
TA 7513	Computer Access Mentorship Program—a Public-Private Partnership for Enhancing Education Quality	PHI	12-Apr-10	e-Asia	500,000	500,000	-	<u>TA 100% completed and financially closed</u>
TA 7338	Strengthening Indonesia's Economic Early Warning System (old name: Fostering Knowledge Partnerships to Strengthen Indonesia's Economic Early Warning Systems)	INO	21-Aug-09	Knowledge Partnership	500,000	481,892	18,108	<u>TA 100% completed and financially closed</u>
TA 7351	Improving Public Services through ICT (old name: ICT Capacity Building and Knowledge Sharing)	REG	22-Sep-09	e-Asia	500,000	457,369	42,631	<u>TA 100% completed and financially closed</u>

TA 7399	ICT-based Inclusive Growth and Poverty Reduction in the Pacific (old name: Pacific Regional ICT Development)	REG	3-Dec-09	e-Asia	500,000	443,256	56,744	TA 100% completed and financially closed
TA 6407	GMS Phnom Penh Plan for Development Management III (4th Supplementary)	REG	12-May-09	Knowledge Partnership	500,000	460,830	39,170	TA 100% completed and financially closed
TA 7297	Road Database Development Using Geographic Information System (GIS)	MON	9-Jun-09	e-Asia	500,000	481,476	18,524	TA 100% completed and financially closed
TA 6523	Partnership for Good Governance and Knowledge on Urban Water Management	REG	19-Jan-09	Knowledge Partnership	500,000	500,000	-	TA 100% completed and financially closed
TA 7305	Tonle Sap Technology Demonstrations for Productivity Enhancement	CAM	1-Jul-09	e-Asia	500,000	423,941	76,059	TA 100% completed and financially closed
TA 6513	Rural ICT Policy Advocacy, Knowledge Sharing, and Capacity Building	REG	18-Dec-08	e-Asia	500,000	463,492	36,508	TA 100% completed and financially closed
TA 7414	Institutional Modernization to Improve the Business Environment in Armenia	ARM	8-Dec-09	e-Asia	500,000	473,081	26,919	TA 100% completed and financially closed
TA 6492	Knowledge Sharing on Infrastructure PPPs in Asia	REG	7-Oct-08	Knowledge Partnership	500,000	453,945.73	46,054.27	TA 100% completed and financially closed
TA 4293	e-Tools for Community Focused Urban Poverty Reduction in the Philippines (Capacity Building for Housing Microfinance - Supplementary)	PHI	27-Jun-08	e-Asia	500,000	500,000	-	TA 100% completed and financially closed
TA 7111	Knowledge Transfer for Public Procurement in Nepal	NEP	31-Jul-08	Knowledge Partnership	500,000	448,010	51,990	TA 100% completed and financially closed
TA 7133	Capacity Building and School Networking for Educational Services (e-learning) in Thailand	THA	19-Sep-08	e-Asia	500,000	327,867	172,133	TA 100% completed and financially closed
TA 7277	Governance and Capacity Development Initiative (Phase 2)	REG	28-Apr-09	Knowledge Partnership	500,000	449,530.16	50,469.84	TA 100% completed and financially closed

TA 4989	Deploying Innovative Information and Communication Technology (ICT) for Supporting e-Governance in Assam	IND	15-Nov-07	e-Asia	500,000	463,925	36,075	TA 100% completed and financially closed
TA 6419	Promoting Environmental Compliance and Enforcement in Asia (AECEN)	REG	16-Nov-07	Knowledge Partnership	150,000	107,762	42,238	TA 100% completed and financially closed
TA 6502	Regional Knowledge and Partnership Networks for Poverty Reduction and Inclusive Growth	REG	14-Nov-08	Knowledge Partnership	500,000	442,990.58	57,009.44	TA 100% completed and financially closed
TA 7058	Piloting Community e-Centers for Better Health	LAO	29-Jan-08	e-Asia	500,000	480,546	19,455	TA 100% completed and financially closed
TA 6426	Knowledge-Sharing Program Using Good Asian Practices in Innovation and Development	REG	11-Dec-07	Knowledge Partnership	500,000	438,954	61,047	TA 100% completed and financially closed
TA 4940	Business Process Reengineering and Change Management for Tax Administration Modernization	KGZ	14-Jun-07	e-Asia	500,000	420,660	79,340	TA 100% completed and financially closed
TA 4999 (Piggy-backed to Loan 2378)	Financial Sector Program II Implementation (original proposal: Implementation Support for the Computerization of the National Bank of Cambodia)	CAM	6-Dec-07	e-Asia	500,000	485,908	14,092	TA 100% completed and financially closed
TA 6514	Harmonization of Bond Standards in ASEAN+3 (original proposal: Standardizing or Harmonizing Asian Bond Conventions and Norms)	REG	16-Dec-08	Knowledge Partnership	500,000	471,258	28,742	TA 100% completed and financially closed
TA 7220	Geo-Information Technology for Hazard Risk Assessment	VIE	8-Dec-08	e-Asia	500,000	423,118	76,882	TA 100% completed and financially closed
Grant 0070 (Piggybacked to Loan 2307)	Customs Modernization Project (formerly: Institutional Strengthening for Customs Modernization)	MON	20-Dec-06	e-Asia	500,000	481,533	18,467	TA 100% completed and financially closed
TA 6358	South Asia Subregional Economic Cooperation (SASEC) Information Highway	REG (BAN, BHU, IND, and NEP)	1-Dec-06	e-Asia	500,000	453,394	46,606	TA 100% completed and financially closed

				TOTAL	54,736,000	35,343,106	11,542,894	
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Source: Progress reports submitted by the project officer(s), as of 31 December 2018; EAKPF Status of TA Expenditures (as of 31 December 2018).

**Appendix 3. Application to Access E-Asia and Knowledge Partnership Fund (EAKPF)
Resources
For Grant Component of Loan Projects or TAs**
(maximum of 2 pages)

Date: _____

To: Chief Sector Officer, SDCC and Fund Manager

Through: <Department Head>

From: <Project/Activity Proponent>

Re: Approval for Fund Allocation

Project or Activity Name: _____

Country/Region: _____

Loan Amount and Sources: _____ **OR**

TA Amount and Sources: _____

Amount requested from EAKPF: _____

Year and Quarter Funds Needed: _____

a. Provide background and brief description of the project, demonstrate the added value from receiving EAKPF support to the proposed project, and specify how EAKPF will be used (i.e., scope of work) and how the project will be linked to lending activities

b. Provide brief description of activities corresponding to the following, if applicable:

(i) **Introduction of innovative approaches and promotion of technologies, including ICTs**

(ii) **Contribution to climate change mitigation/adaptation and disaster risk management**

(iii) **Possible collaboration with Korean institutions, including cofinancing**

C. Likelihood of Timely Implementation

D. Please see attached (TA or Project Concept Paper) for details

Appendix 4. E-Asia and Knowledge Partnership Fund Annual Project Status Report (January to December 2018)

A. Basic TA Information

Please review and update any information, as necessary.

TA Number:	Project Team Leader Name: Title: Department/Division: Email: Tel. No.:	Country & Region:
Project Title:		
Amount:	Total TA amount:	US\$ _____
	e-Asia & Knowledge Partnership Fund Contribution:	US\$ _____
ADB concept approval date: _____		ADB project approval date: _____
GOK approval date: _____		Project commencement date: _____
Links to ADB Portfolio:		
Links (URL) to project-related documents (if available):		
Executing Agency:		
Implementing Agency(ies):		
Contact person: Position: Email: Tel. No.: Fax No.:		

B. TA Implementation Status

Period of Reporting: [Jan to Dec 2018]			
Summary of Status. Please tick <input checked="" type="checkbox"/> as appropriate.			
<input type="checkbox"/> Inception phase	<input type="checkbox"/> TA implementation completed (Financially NOT yet closed)		
<input type="checkbox"/> Mid-term accomplishments	<input type="checkbox"/> TA 100% Completed & Closed		
<input type="checkbox"/> Near completion of TA implementation	Date of Project Completion: _____		
	Date of Financial Closing: _____		
Project Components	Targeted/Expected Output	Accomplishment (%) ¹	Rating ²
Remarks:			

¹ Percentage of task accomplished based on a 100% completion ratio.

² **HS** = Highly satisfactory, **S** = Satisfactory, **PS** = Partly Satisfactory, **U** = Unsatisfactory.

C. Fund Utilization

Disbursements:
<ul style="list-style-type: none"> • Cumulative Disbursements (from Commencement up to Dec 31, 2018³): US\$_____ • Balance (Fund Contribution <u>less</u> Cumulative Disbursement): US\$_____
Notes – Remarks:

D. Major Issues/Problems

Problems / Issues	Action Taken / Proposed
Remarks:	

E. Korean Partner Institution(s) or Source(s) of Expertise

Name of Institution	Roles and Activities	Contact Person	Contact Details (Email address, Phone and Fax nos.)

Prepared by:

Name	Department/Division	Signature

Please send this report by e-mail to Ms. Mary Grace P. Mirandilla-Santos (msantos.consultant@adb.org), with copy to Mr. Jae Hwan Kim (jaekim@adb.org) and Ms. Rose Buenaventure (rbuenaventura@adb.org).

Thank you for your support.

³ Or up to date when last disbursement is projected for 2018.

Appendix 5. Amendment to the Channel Financing Establishing the Republic of Korea e-Asia and Knowledge Partnership Fund between the Asian Development Bank and the Government of Republic of Korea

**AMENDMENT 1 TO THE CHANNEL FINANCING AGREEMENT
Establishing the Republic of Korea e-Asia and Knowledge Partnership Fund
BETWEEN
ASIAN DEVELOPMENT BANK
AND
THE GOVERNMENT OF THE REPUBLIC OF KOREA**

(A) WHEREAS the GOVERNMENT OF THE REPUBLIC OF KOREA, represented by the Ministry of Strategy and Finance and by the Export-Import Bank of Korea (the "Government") and ASIAN DEVELOPMENT BANK ("ADB") entered the Channel Financing Agreement (the "Agreement") establishing the Republic of Korea e-Asia and Knowledge Partnership Fund (the "Fund") dated 30 June 2006;

(B) WHEREAS the Government and ADB entered the Supplementary Arrangement No. 1 under the Agreement dated 26 January 2012;

(C) WHEREAS the Government's initial contribution to the Fund amounts to \$20,000,000; and the Government made additional contributions of \$6,367,558.24 in December 2010, \$6,000,000 in October 2011, \$7,850,330.20 in November 2012, \$8,000,000 in November 2013, \$8,000,000 in November 2014, and \$1,200,000 in December 2015 for a total fund contribution of \$57,417,888.44; and

(D) WHEREAS the Government and ADB (the "Parties") wish to enter into Amendment 1 to the Agreement pursuant to Article III in relation to the maximum size of any individual grant and administration of the Fund.

NOW THEREFORE the Government and ADB have agreed as follows:

Section 1. A paragraph 2 shall be inserted under Article III, as follows:

"Except as the Parties may otherwise agree after mutual consultation, the maximum size of any individual grant for eligible operations supported by the Fund is \$500,000. The mutual consultation will cover details for allowing exceptions to the maximum size, including any specific procedures and requirements."

Section 2. The paragraph 5 of Article V shall be deleted and be replaced with:

"ADB may use part of the Fund (together with any interest earned from investment and reinvestment of the Fund and interest earned in respect of the ADB account) to cover the costs incurred by ADB in the administration of the Fund in an amount not exceeding five (5) percent of the amounts disbursed under the Fund, the costs of external audits, and to reimburse all direct and identifiable costs related to ADB's International Staff administering the Fund pursuant to relevant ADB Staffing Program on terms and conditions as set out in a separate agreement between the Parties."


Section 3. The paragraph 2 of Article VII shall be deleted and be replaced with:

"Representatives of the Government and ADB shall meet at least once a year to set strategic directions for the Fund, to review the Fund's guidelines and eligibility criteria under e-Asia Program, Knowledge Partnership Program and other development areas and the status of the Program, and to discuss procedural arrangements and other matters arising out of this Agreement. The Government and ADB will also consult each other whenever a need for a major change in scope in implementation arrangements of the Fund is identified. Upon request by the Government, ADB will endeavor to facilitate visits by Government personnel and/or designated personnel to projects financed under this Agreement as observers. The cost of participation of Government representatives in these visits will be borne by the Government."

Section 4. Except as amended by Sections 1, 2, and 3 above, all other terms of the Agreement shall remain in effect.

IN WITNESS WHEREOF, the Parties, each acting through its duly authorized representative, have signed this Amendment 1 to the Agreement.

For and on behalf of
ASIAN DEVELOPMENT BANK



Diwakar Gupta
Vice President (Private Sector and
Cofinancing Operations)

Date: 20 October 2016

For and on behalf of
**GOVERNMENT OF THE REPUBLIC OF
KOREA**



In-chang Song
Deputy Minister
Ministry of Strategy and Finance

Date: 20 October 2016

Appendix 6: Implementation Guidelines for the Republic of Korea E-Asia and Knowledge Partnership fund

The implementation guidelines for the Republic of Korea e-Asia and Knowledge Partnership Fund (the “Fund”) is prepared to provide detailed guidelines for fund management in line with the Channel Financing Agreement (the “Agreement”) and the policy direction set by the Government of Korea.

Article 1. Objectives

1. The Fund will contribute to the economic and social development of developing member countries (DMCs) through the e-Asia Program and Knowledge Partnership Program. The e-Asia program will help DMCs strengthen their capacities to maximize the use of ICT in the development process while the Knowledge Partnership Program will help DMCs strengthen their capacities through sharing knowledge and experiences.

Article 2. Scope and Activities

2. The Fund will finance components of investment projects, stand-alone grant-financed activities, TA operations, and any other activities which may be agreed upon by the GOK and ADB.

3. The Fund will support the following:

- a. concept development of potential ADB projects by enhancing readiness, capacity building, policy advice/dialogue and pre-feasibility studies;
- b. preparation of ADB projects through feasibility studies;
- c. policy reform and institutional capacity building;
- d. studies, research, and analytical work;
- e. dissemination, networking, and cross-learning; and
- f. innovative approaches promoting high level technologies and ICTs.

Article 3. Type of Activities and the Size of Funding

4. The annual Fund allocation will be determined through consultations between the GOK and ADB. The total amount of the annual funding will be indicated at the attachment and shall be read as part of the guidelines.

5. The maximum amount of funding for an individual project will be \$500,000. This amount

may be exceeded depending on the following cases:

- a. projects in priority areas and activities as described in Article 5;
- b. technical assistance facility and/or cluster technical assistance; and
- c. other projects that the GOK deems necessary in high priority.

Article 4. Eligibility

6. **Country Eligibility.** All ADB DMCs are eligible for Fund assistance.

7. **Eligible and Non-Eligible Expenditures.** The Fund will finance operational expenses related to eligible activities indicated in Article 2. It will not be used for (i) civil works, (ii) procurement of large-scale equipment, (iii) permanent staffing costs, or (iv) hiring of staff consultants, unless otherwise agreed between the GOK and ADB.

Article 5. Priority Areas and Activities

8. Priority areas to support will be determined through consultations between the GOK and ADB. The result of the Fund allocation will be updated annually and shall be read as part of the guidelines.

9. Higher priority will be given to transaction technical assistance which prepares, enhances readiness, develops capacity and/or provides policy advice for ADB financed projects.

10. Other projects with priority for funding include:

- a. projects that utilize human resources, expertise, capital and technologies in Korea or have potential to be carried out in collaboration with Korea's Economic Development Cooperation Fund (EDCF) and Knowledge Sharing Program (KSP);
- b. projects co-financed by ADB's Innovative Project Development Facility and/or Disaster Response Facility; and
- c. projects with potential to raise Korea's visibility.

Article 6. Application, Review and Concept Approval Process

11. **Fund Management.** The Sustainable Development and Climate Change Department (SDCC) will be responsible for managing the Fund and will coordinate with the GOK for technical matters. SDCC is likewise responsible for maximizing the performance of the Fund operations in line with ADB's strategic direction in harmonization with other financing facilities and funds in ADB. A Principal Operations Coordination Specialist (POCS) at SDCC will take care of technical aspects

of the Fund management (the “Fund Manager”). The Office of Cofinancing Operations (OCO) will be the official channel of communications with regard to the financial aspects of the Fund.

12. **Consultation Meeting.** The GOK and ADB will meet annually to set the strategic directions of the Fund management and discuss the areas of improvement for the Fund operations. In addition, review meetings will be held when necessary.

13. **Funding Proposals.** Funding proposals will be collected by the Fund Manager throughout the year. For new TAs, TASU (technical assistance supervising unit) Director sends a funding proposal to SDSC/SDCC by email with the approved TA concept paper and comments matrix as attachment. In case of additional funding for existing TAs, a letter signed by the TASU director requesting additional financing to the Fund should be attached.

14. **Internal Review Process.** For quality assurance of funding proposals, the Fund Manager will carry out the internal screening process of funding proposals in coordination with relevant sector/thematic groups and operational departments, ensuring that proposed projects meet the eligibility criteria and qualifications set forth in the Agreement and the guidelines. A review committee will be requested, inviting relevant stakeholders to the funding proposal, if necessary.

15. **Submission of Batch Applications.** Once funding proposals have complied with the internal screening process, the Fund Manager prepares a batch application funding request to the GOK for its endorsement. As standard practice, applications are submitted quarterly. The schedule of batch applications can be varied and updated annually. The GOK will review the funding proposals and provide its decision within 45 calendar days from the submission date of a batch application. In the absence of any notification from the GOK within the above time duration, the funding proposals will be deemed to have been approved by the GOK.

16. **TA Implementation.** There will be no intervention to the implementation of the Fund financed projects from the GOK or the Fund management side. All projects financed by the Fund will follow ADB's Guidelines on the Use of Consultants and Procurement Guidelines, as amended from time to time. However, the TASU has a responsibility to inform the Fund Manager of the major milestones of the TA processing and implementation, including ADB's approval, major changes in scope, and completion.

Article 7. Reporting and Monitoring

17. **Record Keeping.** ADB maintains the records and accounts, in accordance with its normal

procedures, to show contributions, interest, and investment income and expenditures financed by the Fund. ADB makes available such records and accounts, if required by the GOK.

18. **Reporting.** ADB prepares the following reports: (i) a project completion report (filed within a year after project completion using the form provided by the GOK), and (ii) annual financial and implementation report. A report evaluating the performance of the Fund will be produced upon financial closure of the Fund.

19. **Monitoring and Evaluation.** Upon request of the GOK, ADB prepares and submits an assessment report to the GOK on the overall performance of the Fund operations or an individual project supported by the Fund. Upon request by the GOK, ADB will endeavor to facilitate visits by the GOK personnel and/or designated personnel to projects financed as observer. The GOK may ask TASU for detail information on the status of the Fund supported projects including the consultant's reports or arranging a special mission as part of monitoring and evaluation of the Fund operations.

20. **Audits.** ADB provides the GOK with a financial statement on the Fund, audited by external auditors, upon financial closure of the Fund. The GOK may also request ADB to produce financial statements audited by external auditors at any time during the life of the Fund. The fees for such audits will be funded from the Fund and/or income earned from the investment or reinvestment of the Fund or interest earned in respect to the ADB account.

Article 8. Fund Visibility

21. ADB shall make the following efforts in implementing projects to enhance visibility and awareness:

- a. Fund support shall be clearly indicated in all publications, training programs, seminars and workshops;
- b. it is encouraged to hold a signing or launching ceremony of the Fund supported project, inviting the relevant GOK officials.
- c. Fund support shall be clearly indicated in all press releases related to the projects; and
- d. the recipients shall disseminate the Fund support and its outcome through the local media.

Supplementary Provisions

- A. The amount of annual funding in 2017 is max. **USD15,000,000**.
- B. The funding allocation by sectors and topic areas will be as follows:
- (i) At least **30%** of the annual funding will be allocated to the sectors of Energy, Water, and Transport.
 - (ii) At least **15%** of the annual funding will be allocated to the sectors of Public Sector Management, Education, Health, and Finance.
 - (iii) At least **15%** of the annual funding will be allocated to the sectors and thematic areas of Climate Change and Disaster Risk Management, and Rural Development and Food Safety.
- C. Submission for funding consideration to the GOK will be done in four batches by 31 March, 31 May, 30 Sep, and 30 Nov in 2017.