



# Country Operations Business Plan

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October 2016

Myanmar  
2017–2019

This document is being disclosed to the public in accordance with ADB's Public Communications Policy 2011.

Asian Development Bank

## CURRENCY EQUIVALENTS

(as of 12 September 2016)

Currency unit	–	Kyat (MK)
MK1.00	=	\$0.00082
\$1.00	=	MK 1,222

## ABBREVIATIONS

ADB	–	Asian Development Bank
ADF	–	Asian Development Fund
COBP	–	country operations business plan
COL	–	concessional ordinary capital resources lending
CPS	–	country partnership strategy
DRR	–	disaster risk reduction
GDP	–	gross domestic product
GMS	–	Greater Mekong Subregion
OCR		ordinary capital resources
TA	–	technical assistance

## NOTES

- (i) The fiscal year of the Government of Myanmar begins on 1 April and ends on 31 March. "FY" before a calendar year denotes the year in which the fiscal year starts, e.g., FY2014 begins on 1 April 2014 and ends on 31 March 2015.
- (ii) In this report, "\$" refers to US dollars.

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## I. CONSISTENCY OF BUSINESS PLAN WITH COUNTRY PARTNERSHIP STRATEGY

1. **Economic context.** Reflecting ongoing reforms, gross domestic product (GDP) growth has steadily increased from 5.6% in fiscal year (FY) 2011 to an average of over 8% from FY2013 to FY2015. The consolidated fiscal deficit widened to an estimated 5.5% of GDP in FY2015, up from 2.9% in FY2014, largely due to higher government spending in an election year, including on education and health. The current account deficit is estimated at 8.9% of GDP in FY2015, up from 6.1% in FY2014, as accelerating economic activities and continued economic reforms have stimulated growth in imports of both capital goods and consumer goods. Total external debt in FY2015 is expected to reach \$9.7 billion, or 14.7% of GDP, up from 14% in FY2014. The infrastructure investment gap through to 2030 is estimated to be about \$120 billion for the transport, energy, and telecom sectors.<sup>1</sup>

2. **Country strategy.** The Asian Development Bank (ADB) reengaged with Myanmar in early 2012, and prepared an interim country partnership strategy (CPS), 2012–2014, for Myanmar as the framework for initial operations.<sup>2</sup> The interim CPS defined ADB's medium-term goals in Myanmar: accelerate economic growth, create income opportunities, bridge rural–urban gaps, and more closely integrate the country into the region. It also emphasized three program areas: (i) build human resources and capacities; (ii) promote an enabling economic environment; and (iii) increase access and connectivity. In 2014, ADB and the Government of the Union of Myanmar extended the interim CPS by 2 years to 2016.<sup>3</sup> This country operations business plan (COBP), 2017–2019, is an interim step in the preparation of the new CPS, 2017–2021, which is scheduled for approval in early 2017. The new CPS, based on comprehensive analytical work, broad-based consultations and lessons from the interim CPS, will be consistent with the government's priorities and with the corporate priorities expressed in ADB's Strategy 2020 as well as with ADB's comparative strengths.<sup>4</sup>

3. **Operational focus.** The COBP, 2017–2019, reflects the gradual shift toward (i) an increased sector focus, with the bulk (around 85 percent) of financial resources for 2017–2019 being allocated to infrastructure (energy, transport, urban development, and irrigation); and (ii) a long-term approach in all activities. The COBP is coordinated with the strategies and programs of other development partners. It provides for a degree of flexibility, taking into consideration evolving needs and government priorities, and will be adjusted in 2017 in line with the new CPS. The country assistance results areas are shown in Appendix 1, and the range of knowledge and innovation activities in Appendix 4.

## II. INDICATIVE RESOURCE PARAMETERS

4. **Indicative resource envelope.**<sup>5</sup> Myanmar, a group A developing member country, is eligible for Asian Development Fund (ADF) grants and concessional ordinary capital resources (OCR) lending (COL).<sup>6</sup> The recently concluded ADF 12 replenishment foresees a special allocation of concessional funds for Myanmar amounting to \$1.4 billion for 2017–2020. The 2015 World Bank–IMF Debt Sustainability Analysis assessed Myanmar as being at low risk of

<sup>1</sup> ADB. *Asian Development Outlook 2016*. Manila; ADB sector assessments; and ADB. 2014. *Myanmar: Unlocking the Potential—Country Diagnostic Study*. Manila.

<sup>2</sup> ADB. 2012. *Interim Country Partnership Strategy: Myanmar, 2012–2014*. Manila.

<sup>3</sup> ADB. *Country Operations Business Plan, 2015–2017*. Manila.

<sup>4</sup> ADB. 2008. *Strategy 2020: The Long-Term Strategic Framework of the Asian Development Bank, 2008–2020*. Manila.

<sup>5</sup> See Appendixes 2 and 3.

<sup>6</sup> Terminology reflects the combination of ADF lending operations with the OCR balance sheet that will take effect on 1 January 2017. For 2016, COL should be understood as ADF lending.

debt distress. In accordance with the concessional assistance policy, the country is to receive 100% of its country allocation in COL in 2016.<sup>7</sup> The indicative COL resource allocation for 2017–2019 is \$1.024 billion. In addition, Myanmar's indicative disaster risk reduction (DRR) allocation for 2017–2019 is \$30.40 million, with \$20.27 million in DRR COL and \$10.13 million in DRR grants.<sup>8</sup> The final allocations will depend on the available resources and the outcome of the country performance assessment. The remaining available ADF XI resources to Myanmar amounting to \$177.49 million for 2016 have been fully programmed. An indicative lending program of \$1.385 billion from ADF resources is proposed in the COBP, 2017–2019. Cofinancing and funding from other sources, including the regional pool under concessional resources, will be actively explored in close coordination with the authorities. The indicative national non-lending (technical assistance) program for 2017–2019 will total \$12 million from ADB's special funds, with additional funds to be sought from other sources.

5. **Nonsovereign operations.** ADB's private sector operations will proactively seek opportunities for nonsovereign activities with a focus on infrastructure and finance sectors.<sup>9</sup>

### III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

6. **2016–2017 pipeline.** The major changes in the lending pipeline for 2016 from the previous COBP, 2016–2018, are as follows: (i) the Irrigation Command Area Development Project was renamed the Irrigated Agriculture Inclusive Development Project; (ii) the Preparing Youth for the Workplace Program was renamed the Equipping Youth for Employment Project and increased to \$98.5 million due to pressing sector needs; (iii) the Power Transmission and Distribution Improvement Project was shifted to 2018 as an element of the Power Network Development Program 1 as the Power Transmission Improvement Project was only approved in November 2015; (iv) the Emergency Support for Chin State Livelihoods Restoration Project was added in response to the floods of late 2015. Changes in the 2017 lending pipeline included the following: (i) the Promoting Private Sector Participation Program I was renamed the Strengthening the Business Climate Program I and moved to 2018; (ii) the Transport Sector Modernization Program I was increased to \$250 million; and (iii) the Disaster Resilient Rural Development in Myanmar Project was added to access resources from the new disaster risk reduction set-aside fund. On non-lending in 2016, the Capacity Development for Project Implementation project, originally scheduled for 2015, was shifted to 2016.

7. **2018–2019 pipeline.** The following major changes were made to the 2018 pipeline: (i) the Power Network Development Program I increased to \$250 million; and (ii) the Greater Mekong Subregion (GMS) Second Tourism Infrastructure for Inclusive Growth Project was added for \$45 million. For 2019 the following programs were added: (i) the Transport Sector Modernization Program II for \$150 million; (ii) the Equipping Youth for Employment Project II (additional financing) for \$100 million; (iii) the GMS East–West Economic Corridor (EWEC) Road Corridor Improvement II for \$150 million; and (iv) the Second Mandalay Urban Services Improvement Project for \$150 million. For 2019, three project preparatory TA projects are included (Transport Sector Modernization Program III, GMS Corridor Town Development Project—Bago, and GMS Regional Transport Corridor Improvement I).

<sup>7</sup> The proportion of grants for the resource allocations for 2017–2019 will be determined by future annual debt distress classifications in accordance with the concessional assistance policy.

<sup>8</sup> The DRR aims to strengthen disaster resilience and to help spur investment. This additional financing will support (i) stand-alone DRR projects; (ii) discrete DRR components of other grant and loan projects; and (iii) the incremental cost in strengthening the disaster resilience of infrastructure investments.

<sup>9</sup> While private sector operations are expected to continue to play an important role in ADB's Myanmar operations, they are not reflected in this COBP because they are undertaken on a commercial transaction basis.

### COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2017–2019	Changes from Last COBP
<b>1. Agriculture, Natural Resources, and Rural Development</b>			
Improved livelihoods of farmers and rural dwellers	Water resource development and conservation Irrigation system development Rural development Agro-industrial development Capacity development of relevant agencies	Amount: \$46.9 million COL and \$20 million (cofinancing)  Share of COBP envelope: 3.4%	No changes
<b>2. Education</b>			
Increased completion rate in high schools Increased enrollment rate in technical and vocational education	Educational system, policy, and legislative reforms TVET delivery and skills standards Support to secondary education subsector and TVET curriculum reforms Capacity development Equipment and materials	Amount: \$100 million COL  Share of COBP envelope: 7.2%	An increase in the project's ADF allocation of \$5.5 million
<b>3. Energy</b>			
Number of households with access to 24-hour electricity supply increased	Transmission and distribution rehabilitation and expansion Rural electrification Renewable energy Public–private partnerships	Amount: \$250 million COL and \$150 million (cofinancing)  Share of COBP envelope: 18.1%	A cofinancing opportunity identified for 2016
<b>4. Transport</b>			
Access to all-weather roads increased	Road rehabilitation—national and provincial roads Sector-wide management and reforms Road safety	Amount: \$600 million COL  Share of COBP envelope: 43.3%	A cofinancing opportunity identified for 2015
<b>5. Water and Other Urban Infrastructure and Services (Core Areas 1: Infrastructure)</b>			
Urban populations having increased access to clean water and wastewater treatment	Construction of new water treatment plants, wastewater treatment plants, sanitary landfills, and storm-water drains. Water distribution networks upgraded Sewage collection networks built or upgraded	Amount: \$230 million COL  Share of COBP envelope: 16.6%	One urban project shifted from 2016 to 2017

ADB = Asian Development Bank; ADF = Asian Development Fund; COBP = country operations business plan; COL = concessional ordinary capital resources lending; TVET = technical and vocational education and training.

Source: ADB estimates.

## INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2017–2019

Project/Program Name	Sector <sup>a</sup>	Poverty Targeting <sup>b</sup>	Strategic Agendas and Drivers of Change <sup>c</sup>	Division	Year of PPTA/PDA	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	OCR	COL	ADF Grants	Total		
<b>2017 National Firm</b>												
Transport Sector Modernization Project I	TRA	GI	IEG, GEM	SETC	2016	250.0	0.0	250.0	0.0	250.0	...	...
<b>Total</b>						<b>250.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>
<b>2017 Regional Firm</b>												
Third GMS Corridor Town Development Project	WUS	GI	IEG, ESG, RCI, GEM, GCD, KNS, PAR	SEUW	2014	80.0	0.0	80.0	0.0	80.0 <sup>d</sup>	0.0	0.0
Climate Friendly Agribusiness Value Chains	ANR	TI-G	IEG, ESG, RCI, GEM, GCD, PAR	SEER	2015	40.0	0.0	20.0	0.0	20.0 <sup>e</sup>	...	20.0
<b>Total</b>						<b>120.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>20.0</b>
<b>Total Firm National and Regional 2017</b>						<b>370.0</b>	<b>0.0</b>	<b>350.0</b>	<b>0.0</b>	<b>350.0</b>	<b>0.0</b>	<b>20.0</b>
<b>2018 National Firm</b>												
Power Network Development Program I	ENE	GI	IEG, ESG, GEM, PSD	SEEN	2016	420.0	0.0	250.0	0.0	250.0	20.0	150.0
Rural Roads and Accessibility Strengthening the Business Climate Program I	TRA PSM	GI GI	IEG, GEM PSD, GEM, PAR	SETC SEPF	2016 2016	50.0 100.0	0.0 0.0	50.0 100.0	0.0 0.0	50.0 100.0	...	...
Disaster Resilient Rural Development in Myanmar	ANR	TI-G	IEG, ESG, GEM, GCD	SDCD	2016	40.4	0.0	26.9	13.5	40.4 <sup>f</sup>	...	...
<b>Total</b>						<b>610.4</b>	<b>0.0</b>	<b>426.9</b>	<b>0.0</b>	<b>440.4</b>	<b>20.0</b>	<b>150.0</b>
<b>2018 Regional Firm</b>												
GMS Second Tourism Infrastructure for Inclusive Growth Project	TRA	GI	IEG, GEM, RCI	LRM	2016	45.0	0.0	45.0	0.0	45.0 <sup>g</sup>	...	...
<b>Total</b>						<b>45.0</b>	<b>0.0</b>	<b>45.0</b>	<b>0.0</b>	<b>45.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Firm National and Regional 2018</b>						<b>655.4</b>	<b>0.0</b>	<b>471.9</b>	<b>0.0</b>	<b>485.4</b>	<b>20.0</b>	<b>150.0</b>
<b>2019 National Firm</b>												
Transport Sector Modernization Project II	TRA	GI	IEG, GEM	SETC	2017	150.0	0.0	150.0	0.0	150.0	...	...



Project/Program Name	Sector <sup>a</sup>	Poverty Targeting <sup>b</sup>	Strategic Agendas and Drivers of Change <sup>c</sup>	Division	Year of PPTA/PDA	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	OCR	COL	ADF Grants	Total		
Equipping Youth for Employment Project II (additional financing)	EDU	GI	IEG, GEM, GCD, KNS, PAR	MYRM	2017	100.0	0.0	100.0	0.0	100.0	...	...
<b>Total</b>						<b>250.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>
<b>2019 Regional Firm</b>												
GMS EWEC Road Corridor Improvement II	TRA	GI	IEG, GEM, RCI	SETC	2017	150.0	0.0	150.0	0.0	150.0 <sup>h</sup>	...	...
Second Mandalay Urban Services Improvement Project	WUS	GI	IEG, ESG, GEM, GCD, KNS, PAR, RCI	SEUW	2017	150.0	0.0	150.0	0.0	150.0 <sup>h</sup>	...	...
<b>Total</b>						<b>300.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>300.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Firm National and Regional 2019</b>						<b>550.0</b>	<b>0.0</b>	<b>550.0</b>	<b>0.0</b>	<b>550.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Firm National and Regional 2017–2019</b>						<b>1,575.4</b>	<b>0.0</b>	<b>1,371.9</b>	<b>13.5</b>	<b>1,385.4</b>	<b>20.0</b>	<b>170.0</b>

... = data not available; ADB = Asian Development Bank; ADF = Asian Development Fund; COL = concessional ordinary capital resources lending; EWEC = East–West Economic Corridor; GMS = Greater Mekong Subregion; Gov't = government; LRM = Lao PDR Resident Mission; MYRM = Myanmar Resident Mission; OCR = ordinary capital resources; PDA = project design advance; PPTA = project preparatory technical assistance; SDCCD = Office of the Director General, Sustainable Development and Climate Change Department; SEEN = Southeast Asia, Energy Division; SEER = Southeast Asia, Environment, Natural Resources and Agriculture Division; SEPF = Southeast Asia, Public Management, Financial Sector, and Trade Division; SETC = Southeast Asia, Transport and Communications Division; SEUW = Southeast Asia, Urban Development and Water Division.

<sup>a</sup> ANR = agriculture, natural resources, and rural development; EDU = education; ENE = energy; PSM = public sector management; TRA = transport; WUS = water supply and other urban infrastructure and services.

<sup>b</sup> GI = general intervention; TI-G = targeted intervention—geographic dimensions of inclusive growth.

<sup>c</sup> ESG = environmentally sustainable growth; GCD = governance and capacity development; GEM = gender equity and mainstreaming; IEG = inclusive economic growth; KNS = knowledge solutions; PAR = partnerships; PSD = private sector development; RCI = regional integration.

<sup>d</sup> \$53 million of the total estimated amount is envisaged to come from the regional allocation set-aside.

<sup>e</sup> \$13.7 million of the total estimated amount is envisaged to come from the regional allocation set-aside.

<sup>f</sup> From Asian Development Fund disaster risk reduction lending.

<sup>g</sup> \$30 million of the total estimated amount is envisaged to come from the regional allocation set-aside.

<sup>h</sup> \$100 million of the total estimated amount is envisaged to come from the regional allocation set-aside.

Source: Asian Development Bank estimates

Table A2.2: National Non-lending Products and Services, 2017–2019

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source <sup>c</sup>	Amount (\$'000)	Source <sup>c</sup>	Amount (\$'000)	
<b>2017 National Firm</b>								
Equipping Youth for Employment Project II (additional financing)	EDU	MYRM	PPTA	TASF	1,000	...	1,000	
Support for the Transport Sector Modernization Project	TRA	SETC	PATA	TASF	1,000	...	1,000	
Second Mandalay Urban Services Improvement Project	WUS	SEUW	PPTA	TASF	750	TF	250	
GMS EWEC Road Corridor Improvement II	TRA	SETC	PPTA	TASF	1,250		1,250	
Strengthening Climate and Disaster Resilience of Communities	ANR	SDCD	CDTA			TF	8,000	
Third GMS Corridor Town Development Project	WUS	SEUW	CDTA		...	TF	3,000	
<b>Total, 2017 National Firm</b>					<b>4,000</b>		<b>11,250</b>	
<b>2018 National Firm</b>								
Power Network Development Program II	ENE	SEEN	PPTA	TASF	1,500	...	1,500	
Strengthening the Business Climate Program II	PSM	SEPF	PPTA	TASF	750	...	750	
Economic Corridor Agribusiness Development	ANR	SEER	PPTA	TASF	750	...	750	
Capacity Development for Project Implementation II	PSM	MYRM	CDTA	TASF	1,500	...	1,500	
Enhancing Subnational Disaster Risk Management Systems	ANR	SDCD	CDTA		...	TF	4,000	
<b>Total, 2018 National Firm</b>					<b>4,500</b>		<b>4,000</b>	
<b>2019 National Firm</b>								
Transport Sector Modernization Project III	TRA	SETC	PPTA	TASF	1,000	...	1,000	
GMS Corridor Town Development Project—Bago	WUS	SEUW	PPTA	TASF	1,000	...	1,000	
GMS Regional Transport Corridor Improvement I	TRA	SETC	PPTA	TASF	1,500	...	1,500	
<b>Total, 2019 National Firm</b>					<b>3,500</b>	...	<b>3,500</b>	
<b>Total, 2017–2019</b>					<b>12,000</b>		<b>15,250</b>	

... = data not available; ADB = Asian Development Bank; ADF = Asian Development Fund; EWEC = East–West Economic Corridor; GMS = Greater Mekong Subregion; MYRM = Myanmar Resident Mission; SDCD = Office of the Director General, Sustainable Development and Climate Change Department; SEEN = Southeast Asia, Energy Division; SEER = Southeast Asia, Environment, Natural Resources and Agriculture Division; SEPF = Southeast Asia, Public Management, Financial Sector, and Trade Division; SETC = Southeast Asia, Transport and Communications Division; SEUW = Southeast Asia, Urban Development and Water Division.

<sup>a</sup> ANR = agriculture, natural resources, and rural development; EDU = education; ENE = energy; PSM = public sector management; TRA = transport; WUS = water and other urban infrastructure and services.

<sup>b</sup> CDTA = capacity development technical assistance; PPTA = project preparatory technical assistance.

<sup>c</sup> TASF = Technical Assistance Special Fund; TF = trust fund.

Source: Asian Development Bank estimates.

Table A2.3: Regional Nonlending Products and Services, 2017–2019

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source <sup>c</sup>	Amount (\$'000)	Source	Amount (\$'000)	
<b>2017 Regional Firm</b>								
ASEAN Economic Community Support Program	TRA	SERC	PPTA	TASF-V	1,350		1,350	
Strengthening Coordination of the GMS Program III	PSM	SERC	R-PATA	TASF	2,000	TBD	500	2,500
Building Capacity for enhanced Connectivity in Southeast Asia	TRA	SERC	R-CDTA	TASF- Others	750			750
Asian Development Outlook (ADO) 2018 (Subproject 3)	PSM	ERMR	RDTA	TASF V	1,200		...	1,200
International Public Asset Management Forum (Phase 2)	FIN	ERCI	R-CDTA			TBD	500	500
Policies to Meet Global Economic challenges – Asia's Perspective 2 (Subproject 1)	FIN	ERCI	R-CDTA	TASF-V	250			250
Key Indicators for Asia and the Pacific 2019	PSM	ERDI	RDTA	TASF V	1,000		...	1,000
Developing Impact Evaluation Methodologies, Approaches, and Capacities in Selected Developing Member Countries (Subproject 3)	PSM	EREA	RDTA	TASF	1,500		...	1,500
Promoting Asian bond Markets Through the Asian bond Online Website, Phase 2	FIN	ERMR	RDTA			ICFF	1,500	1,500
Supporting Implementation of the RCI Operational Plan	PSM	EROD	RDTA	TASF- Others	2,000	ICFF	2,000	4,000
Regional Public Goods – Addressing Urban Climate Change (SSTA)	WUS	EROD	RDTA	TASF- Others	225			225
Republic of the Union of Myanmar: Capacity Development of the National Statistical system – Phase 2	PSM	ERDI	R-CDTA	TASF-V	800			800
<b>Total 2017 Regional Firm</b>					<b>11,075</b>		<b>4,500</b>	<b>15,575</b>
<b>2018 Regional Firm</b>								
Policies to Meet Global Economic Challenges – Asia's Perspective 2 (Subproject 2)	FIN	ERCI	R-CDTA	TASF-V	250			250
Enhancing Regional Capacity for Economic Surveillance and Financial Vulnerability Assessment 2	FIN	ERCI	R-CDTA			CCF	1,200	1,200
Global Review of Aid for Trade (Subproject 1)	IND	ERCI	R-CDTA	TASF-V		CCF	150	150

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source <sup>c</sup>	Amount (\$'000)	Source	Amount (\$'000)	
Asian Economic Integration: Building Knowledge for Policy Dialogue 2 (Subproject 1)	IND	ERCI	RDTA	TASF-V	700		700	
Asian Development Outlook 2019 (Subproject 1)	PSM	ERMR	RDTA	TASF-V	1,200		1,200	
Promoting Asian Bond Markets Through the Asian Bond Online Website, Phase 3	FIN	ERMR	RDTA		...	ICFF	1,500	
Key Indicators for Asia and the Pacific 2020	PSM	ERDI	RDTA	TASF	1,000		1,000	
International Comparison Program for Asia and the Pacific (Phase 2)	PSM	ERDI	RDTA	TASF	1,500		1,500	
Intersubregional Cooperation: Enhancing Myanmar-Bangladesh Connectivity	IND	EROD	RDTA	TASF - Others	500		500	
Country Diagnostic Studies in Selected Developing Member Countries (Subproject 4)	PSM	EREA	RDTA	TASF-V	1,500		1,500	
Regional Public Goods – Trade and Health Issues (SSTA)	HLT	EROD	RDTA	TASF - Others	225		225	
<b>Total 2018 Regional Firm</b>					<b>6,875</b>		<b>9,725</b>	
<b>2019 Regional Firm</b>								
Knowledge Development Support for Southeast Asia	PSM	SERC	R-PATA	TASF - Others	1,500		1,500	
Strengthening Coordination of the GMS Program III	PSM	SERC	R-PATA	TASF - Others	1,500		1,500	
Building Capacity for Enhanced Connectivity in Southeast Asia	TRA	SERC	R-CDTA	TASF - Others	1,000		1,000	
Asian Economic Integration: Building Knowledge for Policy Dialogue 2 (Subproject 2)	IND	ERCI	RDTA	TASF-V	700		700	
Enhancing Research Alliance and South-South Development Policy Cooperation between Asia and Latin America 2	IND	ERCI	RDTA	TASF-V	750		750	
Policies to Meet Global Economic Challenges-Asia's Perspective 2 (Subproject 3)	PSM	ERCI	RDTA	TASF-V	250		250	
Key Indicators for Asia and the Pacific 2021 (Subproject 1)	PSM	ERDI	RDTA	TASF	1,000		1,000	
Asian Development Outlook 2020 (Subproject 2)	PSM	RDTA	RDTA	TASF-V	1,200		1,200	
Supporting Implementation of the RCI Operational Plan	PSM	RDTA	RDTA	TASF - Others	2,000	ICFF	4,000	

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source <sup>c</sup>	Amount (\$'000)	Source	Amount (\$'000)	
Regional Skills Mobility (SSTA)	IND	RDTA	RDTA	TASF-V	1,000		1,000	
<b>Total 2019 Regional Firm</b>					<b>10,900</b>	<b>2,000</b>	<b>12,900</b>	
<b>Total 2017–2019 Firm</b>					<b>28,850</b>	<b>9,350</b>	<b>38,200</b>	

... = data not available; ADB = Asian Development Bank; ASEAN = Association of Southeast Asian Nations; ERCI = Regional Cooperation and Integration Division; ERDI = Development Economics Indicators Division; EREA = Economic Analysis and Operational Support Division; ERMER = Macroeconomic Research Division; EROD = Office of the Chief Economist and Director General, Economic Research and Regional Cooperation Department; GMS = Greater Mekong Subregion; SERC = Southeast Asia, Regional Cooperation and Operations Coordination Division.

<sup>a</sup> FIN = finance; IND = industry and trade; PSM = public sector management; TRA = transport.

<sup>b</sup> CDTA = capacity development technical assistance; PATA = policy advisory technical assistance; PPTA = project preparatory technical assistance; R = regional; RDTA = research and development technical assistance.

<sup>c</sup> CCF = climate change fund, ICFF = Investment Climate Facilitation Fund, TASF = Technical Assistance Special Fund, TBD = to be determined.

Source: Asian Development Bank estimates.

## ASSISTANCE PROGRAM FOR CURRENT YEAR

### Table A3.1: Lending and Grant Products, 2016

Project/Program Name	Sector <sup>a</sup>	Poverty Targeting <sup>b</sup>	Strategic Agendas and Drivers of Change <sup>c</sup>	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	OCR	ADB		Total	Gov't	Co-finance
								Loans	Grants			
<b>2016 National Firm</b>												
Irrigated Agriculture Inclusive Development Project	ANR	TU-G	IEG, ESG, GEM, PAR,	SEER	2013	129.3	0.0	75.0	0.0	75.0	...	54.3
Equipping Youth for Employment Project I	EDU	GI	IEG, GEM, GCD, KNS, PAR	MYRM	2015	98.5	0.0	98.5	0.0	98.5	...	0.0
Emergency Support for Chin State Livelihoods Restoration Project	ANR	TI-G	IEG, GEM, PAR	SEER	2015	10.0	0.0	0.0	0.0	0.0	...	10.0
<b>Total</b>						<b>237.8</b>	<b>0.0</b>	<b>173.5</b>	<b>0.0</b>	<b>173.5</b>	<b>0.0</b>	<b>64.3</b>
<b>2016 Regional Firm</b>												
GMS Health Security Project	HLT	TI-G	IEG, RCI, GEM, GCD	SEHS	2014	12.0	0.0	12.0	0.0	12.0 <sup>d</sup>	...	0.0
<b>Total</b>						<b>12.0</b>	<b>0.0</b>	<b>12.0</b>	<b>0.0</b>	<b>12.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Firm National and Regional 2016</b>						<b>249.8</b>	<b>0.0</b>	<b>185.5</b>	<b>0.0</b>	<b>185.5</b>	<b>0.0</b>	<b>64.3</b>

... = data not available; ADB = Asian Development Bank; ADF = Asian Development Fund; Gov't = government; MYRM = Myanmar Resident Mission; OCR = ordinary capital resources; PDA = project design advance; PPTA = project preparatory technical assistance; SEER = Southeast Asia, Environment, Development Division; SEHS = Southeast Asia, Human and Social Development Division.

<sup>a</sup> ANR = agriculture, natural resources, and rural development; EDU = education; HLT = health.

<sup>b</sup> GI = general intervention; TI-G = targeted intervention—geographic dimensions of inclusive growth.

<sup>c</sup> ESG = environmentally sustainable growth; IEG = inclusive economic growth; GCD = governance and capacity development; GEM = gender equity and mainstreaming; KNS = knowledge solutions, PAR = partnerships; PSD = private sector development.

<sup>d</sup> \$8 million of the total estimated amount is envisaged to come from the regional allocation set-aside.

Source: Asian Development Bank estimates.

**Table A3.2: National Non-lending Products and Services, 2016**

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source <sup>c</sup>	Amount (\$'000)	Source <sup>c</sup>	Amount (\$'000)	
<b>2016 National Firm</b>								
Power Network Development Program I	ENE	SEEN	PPTA	TASF	1,500	...	...	1,500
Rural Roads and Accessibility	TRA	SETC	PPTA	TASF	1,000	...	...	1,000
Strengthening the Business Climate Program	PSM, FIN	SEPF	CDTA	TASF	800	...	...	800
Support for Post-Primary Education Development (additional financing)	EDU	SEHS	PATA	TASF	700	...	...	700
Capacity Development for Project Implementation	PSM	MYRM	CDTA	...	...	TF	2,000	2,000
<b>Total National Firm 2016</b>					<b>4,000</b>		<b>2,000</b>	<b>6,000</b>

... = data not available; ADB = Asian Development Bank; MYRM = Myanmar Resident Mission; SEEN = Southeast Asia, Energy Division; SEHS = Southeast Asia, Human and Social Development Division; SEPF = Southeast Asia, Public Management, Financial Sector and Trade Division; SETC = Southeast Asia, Transport and Communications Division.

<sup>a</sup> EDU = education; ENE = energy; FIN = finance; PSM = public sector management; TRA = transport.

<sup>b</sup> CDTA = capacity development technical assistance; PPTA = project preparatory technical assistance.

<sup>c</sup> TASF = Technical Assistance Special Fund; TF = trust fund.

Source: Asian Development Bank estimates.



Table A3.3: Regional Non-lending Products and Services, 2016

Assistance Name	Sector <sup>a</sup>	Division	Assistance Type <sup>b</sup>	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source <sup>c</sup>	Amount (\$'000)	Source <sup>c</sup>	Amount (\$'000)	
<b>2016 Regional Firm</b>								
Second Greater Mekong Subregion Tourism Infrastructure for Inclusive Growth Project	WUS	LRM	R-PPTA	TASF V	1,500			1,500
Connecting the GMS Rail Network	TRA	SETC	R-PATA		...	PRCF	500	500
Knowledge Development Support for Southeast Asia (Supplementary)	PSM	SERC	R-PATA	TASF - Others	500			500
Building Capacity for Enhanced Connectivity in Southeast Asia (Supplementary)	TRA	SERC	R-CDTA			RCIF	1,000	1,000
Knowledge and Innovation Support for ADB's Water Financing Program (Supplementary)	ANR	SDAS	RDTA			WFPF	500	500
Enhancing Readiness of ADB Developing Member Countries for Scaled-up Climate Finance (Supplementary)	ANR	SDCD	R-CDTA		...	CCF	238	238
Creating Regional Settlement Intermediary in ASEAN + 3 Region: Support to Cross-border Settlement Infrastructure Forum	FIN	SDCC	R-PATA		...	EAKPF	500	500
Implementing Key Areas of 2016–2018 ABMI New Road Map	FIN	SDOP	R-PATA		...	ICFF	1,500	1,500
Civil Society Participation for Development (Supplementary)	PSM	SDGG	R-CDTA	TASF V	250			250
Supporting the Use of Japan Fund for Joint Crediting Mechanism	ANR	SDES	R-CDTA		...	JFJCM	1,500	1,500
Capacity Building for Environment and Related SDGs	ANR	SDES	R-CDTA	TASF V	1,000			1,000
Subproject 2: Asian Development Outlook (ADO) 2018 under cluster ADO 2016–2018	PSM	ERMR	RDTA	TASF V	1,200			1,200
Subproject 1: Key Indicators for Asia and the Pacific 2018: Under KI cluster 2018–2020	PSM	ERDI	RDTA	TASF V	1,000			1,000
Asian Economic Integration: Building Knowledge for Policy Dialogue	PSM	ERCI	RDTA	TASF V	1,200			1,200
<b>Total Regional Firm 2016</b>					<b>6,650</b>		<b>5,738</b>	<b>12,388</b>

... = data not available; ADO = Asian Development Outlook, ADB = Asian Development Bank; ASEAN = Association of Southeast Asian Nations; ERCI = Regional Cooperation and Integration Division; ERDI = Development Economics Indicators Division; EREA = Economic Analysis and Operational Support Division; ERMR = Macroeconomics Research Division; GMS = Greater Mekong Subregion; LRM = Lao Resident Mission; SDAS = Sector Advisory Service Division; SDCD = Office of the Director General, Sustainable Development and Climate Change Department; SDES = Environment and Safeguards Division; SDGG = Social Development,

Governance and Gender Division; SDCC= Sustainable Development and Climate Change Department, SEPF = Southeast Asia Public Management, Financial Sector and Trade Division; SETC = Southeast Asia Transport and Communications Division.

<sup>a</sup> ANR = agriculture, natural resources, and rural development; FIN = finance; PSM = public sector management; TRA = transport; WUS = water and other urban infrastructure services.

<sup>b</sup> CDTA = capacity development technical assistance; PATA = policy advisory technical assistance; PPTA = project preparatory technical assistance; R = regional, RDTA = research and development technical assistance.

<sup>c</sup> CCF = Climate Change Fund, EAKPF = Republic of Korea's e-Asia and Knowledge Partnership Fund, ICF = Investment Climate Facilitation Fund, JFJCM = Japan Fund for the Joint Crediting Mechanism, PRCF = People's Republic of China Regional Cooperation and Poverty Reduction Fund; RCIF = Regional Cooperation and Integration Fund, TASF = Technical Assistance Special Fund.

Source: Asian Development Bank estimates.

## INDICATIVE KNOWLEDGE PUBLICATIONS AND EVENTS

Table A4.1: Knowledge Publications and Events for 2017

Title of Publication or Event	Subject <sup>a</sup>	Type <sup>b</sup>	Department, Sector Group, or Thematic Group <sup>c</sup>	Technical Assistance <sup>d</sup>
Needs and Approaches for Sustainable Land and Water Management in the Central Dry Zone Forests	ANR	Publication	SDCC	8564
Asian Development Outlook 2017—Myanmar	ECO	Publication	SERD	
Asian Development Outlook 2017—Myanmar Launch	ECO	Event	SERD	
Asian Development Outlook 2017—Myanmar (Update)	ECO	Publication	SERD	
Asian Development Bank and Myanmar—Fact Sheet 2017	ECO	Publication	SERD	
A Study on Cross-Sectoral Synergies and Infrastructure Sharing	ENE	Publication	SERD	
Guidelines for Standardizing Quality Assurance Protocols for Malaria Diagnostics—Myanmar	HLT	Publication	SERD	8959
ADB Experience in Malaria Prevention and Control in Cambodia, Lao PDR, and Myanmar: Synthesis Report	HLT	Publication	SERD	8959
Malaria Treatment Protocols and Risks Mitigation Focusing on MMPs (Cambodia, Lao PDR, and Myanmar)	HLT	Publication	SERD	8959
GMS Regional Health Security/Communicable Disease Control 2 Steering Committee Meeting	HLT	Event	SERD	8959
Agribusiness Value Chain Financing Case Studies	Private Sector	Publication	SERD	8785
White Paper on Woman-owned Businesses	Private Sector	Publication	SERD	8785
Mapping of Innovation Ecosystem	Private Sector	Publication	SERD	8785
Mapping of Fintech Industry	Private Sector	Publication	SERD	8785
Myanmar: PPP Assessment	Private Sector	Publication	SERD	8651
Inclusive Business Market Scoping Study for Myanmar	PSM	Publication	SDCC	6502
Field Test Training on Implementing International Standards of Supreme Audit Institutions (ISSAIs)	PSM	Training	SERD	8824
Capacity Development for Project Management, Procurement, Disbursement	PSM	Training	SERD	9074
Capacity Development for Social Safeguards	PSM	Training	SERD	9074
Capacity Development for Consultations and Participation	PSM	Training	SERD	9074
Capacity Development for Environmental Safeguards	PSM	Training	SERD	8786
Country Partnership Strategy 2017–2021—Myanmar	PSM	Publication	SERD	
<b>Total number of publications = 15</b>				
<b>Total number of events = 7</b>				

ADB = Asian Development Bank; GMS = Greater Mekong Subregion; PPP = public-private partnership;

<sup>a</sup> ANR = agriculture, natural resources, and rural development; ECO = economics; ENE = energy; HLT = health; PSM = public sector management.

<sup>b</sup> Publication and documentation; database; multimedia; event organization; training or capacity development.

<sup>c</sup> SDCC = Sustainable Development and Climate Change Department; SERD = Southeast Asia Department.

<sup>d</sup> TA numbers under which this publication or event was delivered.

Sources: Asian Development Bank, K-Nexus Knowledge Database.

**Table A4.2: Knowledge Publications and Events Delivered in 2016**

<b>Title of Publication or Event</b>	<b>Subject<sup>a</sup></b>	<b>Type<sup>b</sup></b>	<b>Department, Sector Group, or Thematic Group<sup>c</sup></b>	<b>Technical Assistance<sup>d</sup></b>
Agriculture Sector Assessment, Strategy, and Roadmap	ANR	Publication	SERD	
National Framework for Disaster Risk Management	Climate Change	Documentation	SDCC	8570
Asian Development Outlook 2016—Myanmar	ECO	Publication	SERD	
Asian Development Outlook 2016—Myanmar Launch	ECO	Event	SERD	
Asian Development Outlook 2016—Myanmar (update)	ECO	Publication	SERD	
Asian Development Bank and Myanmar—Fact Sheet	ECO	Publication	SERD	
Economic Diversification and Industrial Development in Myanmar	ECO	Publication	ERCD	
Training on Basic Statistics	ECO	Training	ERCD	8377
Training Course on Sample Surveys	ECO	Training	ERCD	8377
Replicated Training of Central Statistical Organization (CSO) staff	ECO	Training	ERCD	8377
National Accounts Training for Planning Department and Central Statistics Organization	ECO	Training	ERCD	8377
Education Sector Assessment, Strategy, and Roadmap	EDU	Publication	SERD	
Comprehensive Education Sector Review (CESR) Flagship Study Series	EDU	Publication	SERD	
National Skills Development Forum	EDU	Event	SERD	
National Technical and Vocational Education Training (TVET) Forum	EDU	Event	SERD	
Skills for a Modern Myanmar	EDU	Publication	SERD	
Energy Master Plan	ENE	Publication	SERD	
Energy Sector Assessment, Strategy, and Roadmap	ENE	Publication	SERD	
Energy Efficiency and Renewable Energy Strategy	ENE	Publication	SERD	
Capacity Building Development for Central Bank of Myanmar	FIN	Training	SERD	
Myanmar: Country Gender Analysis and Update	GEN	Publication	SERD	
Malaria and Dengue Risk Mapping in Myanmar	HLT	Publication	SDCC	8656
Digital Health Infrastructure: The Backbone of Surveillance for Malaria Elimination (covers GMS countries)	HLT	Publication	SDCC	8763
Unique Health ID Mapping Tool	HLT	Publication	SDCC	8763
Unique Identifiers for Health: State of Play (Cambodia, Lao PDR, Myanmar)	HLT	Publication	SDCC	8763
Health Impact Assessment and Why Healthy Design Matters	HLT	Publication	SDCC	8763
Digital Health Interoperability Workshop	HLT	Event	SDCC	8763
Myanmar Private Sector Development Framework and Action Plan	Private Sector	Publication	SERD	8785
Myanmar Private Sector Assessment	Private Sector	Publication	SERD	8785
Consultation Workshops on the Myanmar PSD Framework and Action Plan	Private Sector	Event	SERD	8785

<b>Title of Publication or Event</b>	<b>Subject<sup>a</sup></b>	<b>Type<sup>b</sup></b>	<b>Department, Sector Group, or Thematic Group<sup>c</sup></b>	<b>Technical Assistance<sup>d</sup></b>
Microfinance Regulatory Benchmarking Study	Private Sector	Publication	SERD	8785
Myanmar SME Company Law Guide	Private Sector	Publication	SERD	8785
International Trade Supply Chain (ITSC) Working Group Launch	Private Sector	Event	SERD	8707
Strategic Review of Myanmar Aid Architecture	PSM	Publication	SERD	
Country Partnership Strategy Consultations in Mandalay, Yangon, Kayin, and Mon (with civil society and business)	PSM	Event	SERD	
Country Partnership Strategy Consultations with Civil Society on Transport, Energy, Education, and Disaster Risk Management	PSM	Event	SERD	
Workshop on Implementing International Standards of Supreme Audit Institutions (ISSAIs)	PSM	Training	SERD	8824
Governance Risk Assessment and Risk Management Plan	PSM	Publication	SERD	
Inclusive and Sustainable Growth Assessment—Myanmar	PSM	Publication	SERD	
Consultations on the Joint Country Portfolio Review	PSM	Event	SERD	9074
Procurement and Anticorruption Training	PSM	Event	OSFMD/OAI	8709
Disbursement Training	PSM	Event	CTL	
Launch of Myanmar: Unlocking the Potential (edited volume)	PSM	Publication	ERCD	8343
Regional Cooperation and Integration Strategy—Myanmar	RCI	Publication	SERD	
Transport Sector Assessment, Strategy, and Roadmap	TRA	Publication	SERD	
Myanmar Transport Sector Policy Note	TRA	Publication	SERD	
Myanmar Transport Sector Policy Workshop	TRA	Event	SERD	
Myanmar Transport Reforms	TRA	Event	SERD	
Rural Road and Access Program	TRA	Event	SERD	
Myanma Railways Transformation Program	TRA	Event	SERD	
Seminar on National Road Safety Program	TRA	Event	SERD	
Water and Urban Sector Assessment, Strategy, and Roadmap	WUS	Publication	SERD	
Making Myanmar's Cities More Inclusive: The Way Forward	WUS	Publication	SERD	
<b>Total number of publications = 31</b>				
<b>Total number of events = 21</b>				

PSD = private sector development; SME = small and medium-sized enterprise.

<sup>a</sup> ANR = agriculture, natural resources, and rural development; ECO = economics; EDU = education; ENE = energy; FIN = finance; GEN = gender; HLT = health; PSM = public sector management; RCI = regional cooperation and integration; TRA = transport; WUS = water and other urban infrastructure services.

<sup>b</sup> Publication and documentation; database; multimedia; event organization; training or capacity development.

<sup>c</sup> ADB = Asian Development Bank; CTL = Controller's Department; ERCD = Economic Research and Regional Cooperation Department; OAI = Office of Anticorruption and Integrity; OSFMD = Operations Services and Financial Management Department; SDCC = Sustainable Development and Climate Change Department; SERD = Southeast Asia Department.

<sup>d</sup> TA numbers under which this publication or event was delivered.

Sources: Asian Development Bank, K-Nexus Knowledge Database

**Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2017**

Item	Nature <sup>a</sup>	Project Number	Sector or Theme <sup>b</sup>	Division <sup>c</sup>
Strengthening Climate and Disaster Resilience of Communities	PLT		ANR	SDCD
Introducing New Water Management Systems in the Central Dry Zone	TCH, PLT	47152	ANR	SEER
Revitalizing Agriculture and Promoting Agricultural Value Chains in the Central Dry Zone	INO	47152	ANR	SEER
Developing New Secondary Education Subsector (SES) Curriculum	INO, PLT	48431	EDU	MYRM
Introducing New Technical and Vocational Education Training Programs (TVET) and Expanding Access	INO, PLT	48431	EDU	MYRM
Improving Laboratory Services and Hospital Infection Prevention and Control	TCH	48118-002	HLT	SEHS
Implementing an Integrated Context-Sensitive Approach to Project Implementation in Myanmar	INO	9074	PSM	MYRM
Developing an Integrated Capacity-Development Approach for all Myanmar Programs	INO	9074	PSM	MYRM
Introducing a Regional Cooperation and Integration Approach for Myanmar Programs	INO		PSM	MYRM
Developing Innovative Support Mechanisms for Small and Medium-sized Enterprise (SME) Development under the Mekong Business Initiative	INO, PLT	8785	PSM	MYRM
Developing FINTECH under the Mekong Business Initiative	INO, PLT	8785	PSM	MYRM
Improving Skills and Management Capacity of Micro and Small Enterprises and their Employees	PLT	48332-001	Private Sector	MYRM
Developing a Pilot Rural Roads Initiative	PLT		TRA	SETC
Integrating Transport Sector Reform and Modernization with Related Investments	INO		TRA	SETC
Improving Water Supply Systems, Waste Water and Drainage Management	TCH	47127-002	WUS	SEUW
<b>Total number of innovation, advanced technology, and pilot initiatives = 15</b>				

<sup>a</sup> INO = innovation; TCH = advanced technology; PLT = pilot initiative.

<sup>b</sup> ANR = agriculture, natural resources, and rural development; EDU = education; HLT = health; PSM = public sector management; TRA = transport; WUS = water and other urban infrastructure services.

<sup>c</sup> MYRM = Myanmar Resident Mission; SDCD = Office of the Director General, Sustainable Development and Climate Change Department; SEER = Southeast Asia Environment, Natural Resources and Agriculture Division; SEHS = Southeast Asia Human and Social Development Division; SETC = Southeast Asia Transport and Communications Division; SEUW = Southeast Asia Urban Development and Water Division.

Source: Asian Development Bank.