



# Country Operations Business Plan

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October 2016

Bangladesh  
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 3 October 2016)

Currency unit	–	Taka (Tk)
Tk1.00	=	\$0.013
\$1.00	=	Tk78.28

## ABBREVIATIONS

ADB	–	Asian Development Bank
ADF	–	Asian Development Fund
COBP	–	country operations business plan
CPS	–	country partnership strategy
OCR	–	ordinary capital resources
PDA	–	project design advance
TA	–	technical assistance

## NOTES

- (i) The fiscal year (FY) of the Government of Bangladesh ends on 30 June. “FY” before a calendar year denotes the year in which the fiscal year ends, e.g., FY2016 ends on 30 June 2016.
- (ii) In this report, "\$" refers to US dollars.

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## CONSISTENCY OF BUSINESS PLAN WITH COUNTRY PARTNERSHIP STRATEGY

1. The country operations business plan (COBP), 2017–2019 updates the Bangladesh COBP, 2016–2018,<sup>1</sup> aligning it closely with the strategic priorities of the Bangladesh country partnership strategy (CPS), 2016–2020. The CPS, 2016–2020 supports higher, inclusive and environmentally sustainable growth. The CPS is aligned with the broad development goals of the government’s Seventh Five-Year Plan, FY2016–FY2020,<sup>2</sup> and is fully consistent with the priorities reflected in ADB’s Midterm Review of Strategy 2020.<sup>3</sup> This COBP was prepared in conjunction with the CPS, 2016–2020.
2. In line with the strategies, priorities, and thematic objectives set out in the CPS, 2016–2020, the 2017–2019 program will continue supporting government efforts to diversify the economy for industrial development, transform the rural economy, and develop better rural–urban linkages to ensure inclusiveness. ADB will increase support for infrastructure development, skills development, environment and climate resilience, and private sector development. Support will be strengthened through a focus on regional cooperation, gender mainstreaming, governance, policy reforms, and institutional strengthening and knowledge solutions.
3. In developing the 2017–2019 pipeline, attention has been given to (i) the need to align with the strategic priorities of the CPS, 2016–2020; (ii) project readiness; and (iii) portfolio performance. ADB support will be channeled mainly through project interventions in agriculture, natural resources, and rural development; education and skills development; energy; finance; transport; and water and other urban infrastructure and services.
4. The lending program includes over-programming (listed as standby). This is being done to build a strong pipeline for additional lending resources that may become available as a result of the merger of Asian Development Fund lending resources with the ordinary capital resources (OCR) balance sheet.
5. The country assistance results areas (Appendix 1) aligns sectors of ADB assistance over the 2017–2019 COBP period with the cross-sector strategic agenda and priority areas of the CPS, 2016–2020. The indicative lending and nonlending program is in Appendix 2, the assistance program for 2016 in Appendix 3, and a list of indicative knowledge publications and events in Appendix 4.

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<sup>1</sup> ADB. 2015. *Country Operations Business Plan: Bangladesh, 2016-2018*. Manila.

<sup>2</sup> Government of Bangladesh, Planning Commission, Ministry of Planning. 2015. *Seventh Five Year Plan FY2016-FY2020: Accelerating Growth, Empowering Citizens*. Dhaka.

<sup>3</sup> ADB. 2014. *Midterm Review of Strategy 2020: Meeting the Challenges of a Transforming Asia and the Pacific*. Manila.

## 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 (CPS priority areas: improving rural livelihoods, improving human capital, promoting economic corridor development, providing climate and disaster resilient infrastructure and services, creating conditions for greater private sector participation, and promoting gender equality)</b>			
Higher agricultural productivity and wages, and more employment	Integrated water resources management and irrigation service delivery	\$612 million, 17.8% of COBP 2017–2019 envelope	New projects included in the pipeline.
Better managed flood control and riverbank erosion mitigation	River basin and flood management	(\$712 million including standby, 11.7% of total 2017–2019 firm and standby lending program)	
Increased participation by women in education and employment	Market connectivity and rural market infrastructure Agribusiness development		
<b>2. Education (CPS priority areas: improving human capital, promoting economic corridor development, improving rural livelihoods, addressing institutional capacity constraints, improving governance, promoting gender equality)</b>			
Quality education, greater access to education, and skills for employment	Technical and vocational education and training	\$825 million, 24.0% of COBP 2017–2019 envelope	New projects included in the pipeline.
Increased participation by women in education and employment	Primary and secondary education	(\$1,175 million including standby, 19.4% of total 2017–2019 firm and standby lending program)	
	Tertiary education on ICT ICT industries and ICT-enabled services		
<b>3. Energy (CPS priority areas: easing infrastructure constraints, promoting economic corridor development, improving rural livelihoods, providing climate- and disaster-resilient infrastructure and services, creating conditions for greater private sector participation, addressing institutional capacity constraints, improving governance, deepening regional cooperation and integration)</b>			
Higher availability, reliability and enhanced access to power supply	Electricity generation, transmission and distribution	\$320 million, 9.3% of COBP 2017–2019 envelope	New projects included in the pipeline.
Improved regional transport and energy connectivity	Energy efficiency and conservation	(\$1,320 million including standby, 21.8% of total 2017–2019 firm and standby lending program)	
	Gas sector development		
	Regional energy connectivity Renewable energy development		

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2017–2019	Changes from Last COBP
<b>4. Finance (CPS priority areas: easing infrastructure constraints, promoting economic corridor development, creating conditions for greater private sector participation, addressing institutional capacity constraints and improving governance, promoting gender equality)</b>			
More inclusive financial sector  Higher private investment  Increased participation by women in education and employment	Small and medium-sized enterprise development  Private sector infrastructure financing  Housing finance	\$266 million, 7.7% of COBP 2017–2019 envelope  (\$416 million including standby, 6.9% of total 2017–2019 firm and standby lending program)	New projects included in the pipeline.
<b>5. Transport (CPS priority areas: easing infrastructure constraints, promoting economic corridor development, providing climate- and disaster-resilient infrastructure and services, creating conditions for greater private sector participation, addressing institutional capacity constraints, improving governance, deepening regional cooperation and integration)</b>			
More efficient transport infrastructure and connectivity  Environmentally sustainable transport system  Improved regional transport and energy connectivity	Road and rail network expansion  Railway capacity improvement  Sea port development  Sustainable urban public transport systems  Regional road and rail connectivity development  Transport policies and institutional development	\$840 million, 24.4% of COBP 2017–2019 envelope  (\$1,770 million including standby, 29.2% of total 2017–2019 firm and standby lending program)	New projects included in the pipeline.
<b>6. Water and Other Urban Infrastructure and Services (CPS priority areas: easing infrastructure constraints, improving human capital, promoting economic corridor development, providing climate- and disaster-resilient infrastructure and services, addressing institutional capacity constraints, improving governance, promoting gender equality)</b>			
Improved urban infrastructure and services  Improved access to healthcare  Increased participation by women in education and employment	Urban governance reforms  Water and sanitation infrastructure  Urban flood protection  Urban growth centers and infrastructure for economic development  Urban health	\$580 million, 16.8% of COBP 2017–2019 envelope  (\$675 million including standby, 11.1% of total 2017–2019 firm and standby lending program)	New projects included in the pipeline.

ADB = Asian Development Bank; ADF = Asian Development Fund; COBP = country operations business plan; CPS = country partnership strategy; ICT = information and communications technology.  
Source: ADB estimates.

## INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2017–2019

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						ADB					Co-finance	
						Total	OCR	COL	ADF Grants	Total		Gov't
<b>2017 Firm</b>												
Flood and Riverbank Erosion Risk Management Investment Program (tranche 2)	ANR	TI-G	IEG/ESG/GCD/GEM/KNS/PAR	SAER		TBD	0.0	100.0	0.0	100.0	TBD	0.0
Market and Value Chain Infrastructure Development Project (PDA) <sup>1</sup>	ANR	TI-H	IEG/GCD/GEM/KNS/PSD	SAER		TBD	0.0	2.0	0.0	2.0	TBD	0.0
Secondary Education Sector Investment Program (tranche 3)	EDU	TI-M	IEG/GCD/GEM/PAR	SAHS	2012	TBD	0.0	225.0	0.0	225.0	TBD	100.0
Khulna 800 MW LNG-based Combined Cycle Power Plant	ENE	GI	IEG/ESG/PSD	SAEN	2016	TBD	200.0	0.0	0.0	200.0	TBD	530.0
Urban Primary Health Care Services Delivery Project (additional financing)	HLT	TI-H	IEG/GCD/GEM/PSD/PAR	SAHS	2016	TBD	0.0	130.0	0.0	130.0	TBD	20.0
SASEC Road Connectivity Investment Program 1 Phase 1 (tranche 1)	TRA	GI	IEG/RCI/GCD/PSD/PAR	SATC		TBD	150.0	50.0	0.0	200.0	TBD	0.0
Dhaka Sustainable Urban Transport Project (additional financing)	TRA	TI-G	IEG/GEM/	SATC		TBD	110.0	10.0	0.0	120.0	TBD	0.0
Chittagong Port (TA Loan)	TRA	GI	IEG/RCI/GCD/PSD	SATC		TBD	0.0	10.0	0.0	10.0	TBD	0.0



Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							OCR	COL	ADF Grants			Total
Dhaka Metro Project (TA loan)	TRA	GI	IEG/ESG/RCI/GCD/GEM	SATC		TBD	0.0	10.0	0.0	10.0	TBD	0.0
Third Urban Governance and Infrastructure Improvement Project (additional financing)	WUS	GI	IEG/ESG/GCD/GEM/KNS/PAR	SAUW		TBD	100.0	50.0	0.0	150.0	TBD	0.0
<b>Total</b>						<b>TBD</b>	<b>560.0</b>	<b>587.0</b>	<b>0.0</b>	<b>1,147.0</b>	<b>TBD</b>	<b>650.0</b>
<b>2017 Standby</b>												
Development of Information Technology Parks for Employment Project	EDU	TI-G	IEG/GCD/GEM/PSD/PAR	SAHS	2016	TBD	250.0	0.0	0.0	250.0	TBD	150.0
Second Power System Expansion and Efficiency Improvement Investment Program (tranche 1)	ENE	GI	IEG/PSD/ESG/KNS/PAR	SAEN	2017	TBD	200.0	0.0	0.0	200.0	TBD	100.0
Rolling Stock Investment Program (tranche 1)	TRA	GI	IEG/RCI/GCD/PAR	SATC		TBD	300.0	0.0	0.0	300.0	TBD	350.0
Transport TA Loan for Projects after 2020	TRA	GI	IEG/RCI/PSD/PAR	SATC		TBD	0.0	30.0	0.0	30.0	TBD	0.0
Saidabad Water Treatment Plant	WUS	GI	IEG/ESG	SAUW	2017	TBD	95.0	0.0	0.0	95.0	TBD	370.0
<b>Total</b>						<b>TBD</b>	<b>845.0</b>	<b>30.0</b>	<b>0.0</b>	<b>875.0</b>	<b>TBD</b>	<b>970.0</b>
<b>2018 Firm</b>												
Rural Infrastructure Maintenance Program	ANR	TI-G	IEG/GCD/GEM/KNS/PAR	SAER	2016	TBD	60.0	150.0	0.0	210.0	TBD	50.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							OCR	COL	ADF Grants			Total
Market and Value Chain Infrastructure Development Project	ANR	TI-H	IEG/GCD/GEM/KNS/PSD	SAER	2016	TBD	0.0	70.0	0.0	70.0	TBD	0.0
Fourth Primary Education Development Program	EDU	TI-M	IEG/GCD/GEM/PAR	SAHS	2016	TBD	100.0	200.0	0.0	300.0	TBD	300.0
Rural Hybrid Power Development Project	ENE	GI	IEG/ESG/PAR	SAEN	2018	TBD	120.0	0.0	0.0	120.0	TBD	50.0
Chittagong Port Investment Program Phase 1 (tranche 1)	TRA	GI	IEG/RCI/GCD/PSD	SATC		TBD	100.0	0.0	0.0	100.0	TBD	100.0
SASEC Chittagong–Cox's Bazar Railway Project Phase 1 (tranche 2)	TRA	GI	IEG/RCI/GCD/GEM/PAR	SATC		TBD	150.0	0.0	0.0	150.0	TBD	250.0
City Region Economic Development Investment Program (tranche 1)	WUS	GI	IEG/ESG/GCD/GEM/PAR	SAUW	2016	TBD	100.0	50.0	0.0	150.0	TBD	150.0
<b>Total</b>						<b>TBD</b>	<b>630.0</b>	<b>470.0</b>	<b>0.0</b>	<b>1,100.0</b>	<b>TBD</b>	<b>900.0</b>
<b>2018 Standby</b>												
Second Power System Expansion and Efficiency Improvement Investment Program (tranche 2)	ENE	GI	IEG/PSD/ESG/KNS/PAR	SAEN	2017	TBD	500.0	0.0	0.0	500.0	TBD	0.0
Housing Finance Facility	FIN	GI	IEG/ESG/GEM/PSD	SAPF	2017	TBD	100.0	0.0	0.0	100.0	TBD	0.0
Strengthening Governance Management Project (Phase 2)	PSM	GI	IEG/GCD/GEM	SAPF		TBD	0.0	50.0	0.0	50.0	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							OCR	COL	ADF Grants			Total
Dhaka-Chittagong Expressway Investment Program (tranche 1)	TRA	GI	IEG/GCD/PSD/PAR	SATC		TBD	200.0	0.0	0.0	200.0	TBD	0.0
<b>Total</b>						<b>TBD</b>	<b>800.0</b>	<b>50.0</b>	<b>0.0</b>	<b>850.0</b>	<b>TBD</b>	<b>0.0</b>
<b>2019 Firm</b>												
Ganges–Kobadak Irrigation Project	ANR	GI	IEG/GCD/GEM/KNS/PSD	SAER	2016	TBD	0.0	150.0	0.0	150.0	TBD	0.0
Flood and Riverbank Erosion Risk Management Investment Program (tranche 3)	ANR	TI-G	IEG/ESG/GCD/GEM/KNS/PAR	SAER		TBD	0.0	80.0	0.0	80.0	TBD	0.0
Skills for Employment Investment Program (tranche 3)	EDU	TI-M	IEG/GCD/GEM/PAR	SAHS		TBD	0.0	300.0	0.0	300.0	TBD	300.0
Third Public–Private Infrastructure Development Facility Project (tranche 2)	FIN	GI	IEG/ESG/PSD	SAPF		TBD	250.0	16.0	0.0	266.0	TBD	0.0
Dhaka Metro Investment Program Phase 1 (tranche 1)	TRA	GI	IEG/ESG/RCI/GCD/GEM	SATC		TBD	250.0	0.0	0.0	250.0	TBD	150.0
Dhaka Sewerage Management System Development Project	WUS	GI	IEG/ESG/GCD/PAR	SAUW		TBD	150.0	0.0	0.0	150.0	TBD	200.0
<b>Total</b>						<b>TBD</b>	<b>650.0</b>	<b>546.0</b>	<b>0.0</b>	<b>1,196.0</b>	<b>TBD</b>	<b>650.0</b>

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							OCR	COL	ADF Grants			Total
<b>2019 Standby</b>												
Climate Change and Disaster Resilience Small Scale Water Resource Management	ANR	GI	IEG/ESG	SAER		TBD	0.0	100.0	0.0	100.0	TBD	30.0
Establishment of ICT Universities Phase 1	EDU	TI-M	IEG/PAR	SAHS		TBD	0.0	100.0	0.0	100.0	TBD	0.0
Grid-Connected Solar PV Plants 2x100 MWp	ENE	GI	IEG/ESG/PAR	SAEN	2018	TBD	300.0	0.0	0.0	300.0	TBD	200.0
SASEC Dhaka–Chittagong Railway Project Phase 1 (tranche 1)	TRA	GI	IEG/RCI/GCD/GEM/PAR	SATC		TBD	150.0	0.0	0.0	150.0	TBD	100.0
SASEC Road Connectivity Investment Program 2 (tranche 1)	TRA	GI	IEG/RCI/GCD/PSD/PAR	SATC		TBD	150.0	0.0	0.0	150.0	TBD	200.0
SASEC Chittagong–Cox's Bazar Railway Project Phase 2 (tranche 1)	TRA	GI	IEG/RCI/GCD/GEM/PAR	SATC		TBD	100.0	0.0	0.0	100.0	TBD	100.0
<b>Total</b>						<b>TBD</b>	<b>700.0</b>	<b>200.0</b>	<b>0.0</b>	<b>900.0</b>	<b>TBD</b>	<b>630.0</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; EDU = education; ENE = energy; ESG = environmentally sustainable growth; FIN = finance; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; HLT = health; ICT = information and communications technology; IEG = inclusive economic growth; KNS = knowledge solutions; LNG = liquefied natural gas; MW = megawatt; MWp = megawatt peak; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PPTA = project preparatory technical assistance; PSD = private sector development; PSM = public sector management; PV = photovoltaic; RCI = regional cooperation and integration; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; TA = technical assistance; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-H = targeted intervention—income poverty at household level; TI-M = targeted intervention—Millennium Development Goals; TRA = transport; WUS = water supply and other urban infrastructure and services.

<sup>1</sup> The PDA will be refinanced by the ensuing COL loan for Market and Value Chain Infrastructure Development Project for 2018.

Source: Asian Development Bank estimates.

Table A2.2: Nonlending Products and Services, 2017–2019

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>2017</b>								
Sustainable Management of Community Development for Chittagong Hill Tracts	ANR	BRM	CDTA	TASF	500.0		0.0	500.0
Preparing the Climate Change & Disaster Resilience Small Scale Water Resource Management	ANR	SAER	S-PPTA	TASF	225.0		0.0	225.0
Preparation of Establishment of ICT Universities Project	EDU	SAHS	PPTA	TASF	500.0		0.0	500.0
Preparing Second Power System Expansion and Efficiency Improvement Program	ENE	SAEN	PPTA	TASF	750.0		0.0	750.0
Preparing Housing Finance Facility	FIN	SAPF	PPTA	TASF	500.0		0.0	500.0
Capacity Building for Portfolio Management (additional financing)	PSM	BRM	S-CDTA	TASF	225.0		0.0	225.0
Updating Road Master Plan	TRA	SATC	CDTA	TASF	1,000.0		0.0	1,000.0
Railway Workshop Efficiency Improvement	TRA	SATC	CDTA	TASF	1,000.0		0.0	1,000.0
Capacity Building for Urban Governance and Infrastructure	WUS	BRM	CDTA	TASF	500.0		0.0	500.0
Preparing Saidabad Water Treatment Plant	WUS	SAUW	S-PPTA	TASF	225.0		0.0	225.0
Support to Third Urban Governance and Infrastructure Improvement Project (additional financing)	WUS	SAUW	CDTA	TASF	750.0		0.0	750.0
<b>Total</b>					<b>6,175.0</b>		<b>0.0</b>	<b>6,175.0</b>
<b>2018</b>								
Support to Primary and Secondary Education Programs	EDU	SAHS	CDTA	TASF	1,000.0	TBD	1,000.0	2,000.0
Supporting Energy Research Council	ENE	BRM	CDTA	TASF	750.0		0.0	750.0
Preparing Rural Hybrid Power Development Project	ENE	SAEN	PPTA		0.0	CEFPF	1,500.0	1,500.0
Preparing Grid-Connected Solar PV Plants 2x100 MWp	ENE	SAEN	PPTA		0.0	CEFPF	1,500.0	1,500.0
Metro Capacity Development and NAMA	TRA	SATC	CDTA	TASF	750.0		0.0	750.0
Strengthening Capacity of City Corporations	WUS	SAUW	CDTA	TASF	750.0		0.0	750.0
Support to City Region Development Investment Program (tranche 1)	WUS	SAUW	CDTA	TASF	1,000.0		0.0	1,000.0
<b>Total</b>					<b>4,250.0</b>		<b>4,000.0</b>	<b>8,250.0</b>

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>2019</b>								
Support to Skills Development, Information Technology Park and ICT Universities	EDU	SAHS	CDTA	TASF	2,000.0		0.0	2,000.0
Support to SASEC Road Connectivity Investment Program 2	TRA	SATC	CDTA	TASF	1,000.0		0.0	1,000.0
Safeguard Monitoring for Railway Projects	TRA	SATC	CDTA	TASF	1,000.0		0.0	1,000.0
Strengthening Capacity of Dhaka WASA for Wastewater Management	WUS	SAUW	CDTA	TASF	500.0		0.0	500.0
<b>Total</b>					<b>4,500.0</b>		<b>0.0</b>	<b>4,500.0</b>

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; CDTA = capacity development technical assistance; CEFPF = Clean Energy Financing Partnership Facility; EDU = education; ENE = energy; FIN = finance; ICT= information and communication technology; MWp = megawatt peak; NAMA = National Appropriate Mitigation Action; PPTA = project preparatory technical assistance; PSM = public sector management; PV = photovoltaic; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; SSTA = small scale technical assistance; TASF = Technical Assistance Special Fund; TBD = to be determined; TRA = transport; WASA= Water Supply and Sewerage Authority; WUS = water and other urban infrastructure and services.

Source: Asian Development Bank estimates.

## ASSISTANCE PROGRAM FOR THE CURRENT YEAR

Table A3.1: Lending Products, 2016

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/PDA	Cost (\$ million)						
						Total	ADB			Total	Gov't	Co-finance
							OCR	Loans	Grants			
<b>Firm</b>												
Rural Infrastructure Maintenance Program (PDA)	ANR	TI-G	ESG/IEG/GCD/ PAR	SAER		TBD	0.0	2.0	0.0	2.0	TBD	0.0
Skills for Employment Investment Program (tranche 2)	EDU	GI	ESG/IEG/RCI/GCD/ PSD/ PAR/ KNS	SAHS	2011	TBD	0.0	100.0	0.0	100.0	TBD	210.0
Natural Gas Infrastructure and Efficiency Improvement Project	ENE	GI	IEG/ESG/ PSD/GCD	SAEN		TBD	100.0	67.0	0.0	167.0	TBD	60.0
Second Small and Medium-Sized Enterprise Development	FIN	GI	IEG/GEM/ PAR	SAPF		TBD	200.0	0.0	0.0	200.0	TBD	0.0
Third Public Private Infrastructure Development Facility Project (tranche 1)	FIN	GI	IEG/ESG/ RCI/PSD/ PAR	SAPF		TBD	250.0	10.0	0.0	260.0	TBD	0.0
Railway Sector Investment Program (tranche 4)	TRA	GI	IEG/RCI/ PSD	SATC		TBD	50.0	0.0	0.0	50.0	TBD	138.7
SASEC Chittagong-Cox's Bazar Railway Project Phase 1 (tranche 1)	TRA	GI	ESG/IEG/ RCI/ GCD	SATC		TBD	210.0	90.0	0.0	300.0	TBD	0.0
Dhaka Water Supply Network Improvement	WUS	TI-M	IEG/ESG/ GCD	SAUW	2015	TBD	275.0	0.0	0.0	275.0	TBD	372.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of PPTA/ PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							OCR	ADF				Total
							Loans	Grants				
City Region Economic Development Investment Program (PDA)	WUS	GI	IEG/ESG/RCI/ GCD	SAUW		TBD	0.0	5.0	0.0	5.0	TBD	0.0
Coastal Towns Environmental Infrastructure Project (additional financing)	WUS	GI	IEG/ESG/GCD/KNS/ PAR	BRM		TBD	0.0	0.0	0.0	0.0	TBD	14.0
<b>Total</b>						<b>TBD</b>	<b>1,085.0</b>	<b>274.0</b>	<b>0.0</b>	<b>1,359.0</b>	<b>TBD</b>	<b>794.7</b>
<b>Standby</b>												
Bangladesh Power System Enhancement and Efficiency Improvement Project	ENE	GI	IEG/ESG/RCI/GCD	SAEN	2016	TBD	600.0	16.0	0.0	616.0	TBD	2.0
<b>Total</b>						<b>TBD</b>	<b>600.0</b>	<b>16.0</b>	<b>0.0</b>	<b>616.0</b>	<b>TBD</b>	<b>2.0</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; EDU = education; ENE = energy; ESG = environmentally sustainable growth; FIN = finance; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; IEG = inclusive economic growth; KNS = knowledge solutions; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PPTA = project preparatory technical assistance; PSD = private sector development; RCI = regional cooperation and integration; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; TA = technical assistance; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-M = targeted intervention—Millennium Development Goals; TRA = transport; WUS = water supply and other urban infrastructure and services.

Source: Asian Development Bank estimates.



Table A3.2: Nonlending Products and Services, 2016

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Ganges–Kobadak and Teesta Barrage Irrigation Project	ANR	SAER	S-PPTA	TASF	225.0		0.0	225.0
Market and Value Chain Infrastructure Development Project	ANR	SAER	S-PPTA	TASF	225.0		0.0	225.0
Supporting Third Primary Education Development Program	EDU	BRM	CDTA	TASF	300.0	Canada	1,100.0	1,400.0
Fourth Primary Education Development Program	EDU	BRM	PPTA		0.0	JFPR	800.0	800.0
Information Technology Parks for Employment Project	EDU	SAHS	S-PPTA	TASF	225.0		0.0	225.0
Power System Enhancement and Efficiency Improvement Project	ENE	SAEN	S-PPTA	TASF	225.0		0.0	225.0
Khulna 800 MW LNG-based Combined Cycle Power Plant	ENE	SAEN	S-PPTA	TASF	225.0		0.0	225.0
Preparation of Rural Hybrid Power Systems in Bangladesh	ENE	SAEN	CDTA		0.0	CEFPF	1,500.0	1,500.0
Strengthening Capacity of SME Stakeholders to Access Bank Financing and Services	FIN	SAPF	CDTA		0.0	JFPR	2,000.0	2,000.0
Capacity Development in Infrastructure Development Company Limited	FIN	SAPF	CDTA		0.0	FSDPSF	750.0	750.0
Preparing Urban Primary Health Care Services Delivery Project (additional financing)	HLT	SAHS	PPTA	TASF	700.0	UCCRTF	150.0	850.0
Enhancing Institutional Capacity of Anti-Corruption Commission	PSM	BRM	CDTA	TASF	500.0	EAKPF	300.0	800.0
Capacity Building for Portfolio Management (supplementary)	PSM	BRM	S-CDTA	TASF	225.0		0.0	225.0
Supporting SASEC Chittagong-Cox's Bazar Railway	TRA	SATC	CDTA	TASF	1,000.0		0.0	1,000.0
Preparing City Region Investment Program	WUS	SAUW	PPTA	TASF	400.0	WFPF	212.0	612.0
<b>Total</b>					<b>4,250.0</b>		<b>6,812.0</b>	<b>11,062.0</b>

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; CDTA = capacity development technical assistance; CEFPF = Clean Energy Financing Partnership Facility; EAKPF = e-Asia and Knowledge Partnership Fund; EDU = education; ENE = energy; FIN = finance; FSDPSF = Financial Sector Development Partnership Special Fund; HLT = health; JFPR = Japan Fund for Poverty Reduction; LNG = liquefied natural gas; MW = megawatt; PPTA = project preparatory technical assistance; PSM = public sector management; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; SME = small and medium-sized enterprise; TASF = Technical Assistance Special Fund; TRA = transport; UCCRTF = Urban Climate Change Resilience Trust Fund; WFPF = Water Financing Partnership Facility; WUS = water and other urban infrastructure and services.

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	Type	Department or Sector Group or Thematic Group	Technical Assistance
Asian Development Outlook 2016	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2016 Update	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2016 Supplement	Economics	Publication and documentation	ERCD	
Bangladesh Quarterly Economic Update (4 Issues)	Economics	Publication and documentation	SARD	
Bangladesh Economic Indicators Update (3 issues)	Economics	Database	SARD	
Asian Development Bank and Bangladesh: Fact Sheet 2016	Economics and governance	Publication and documentation	DER, SARD	
Study on Infrastructure Financing	Finance	Publication and documentation	SARD	
Replicable diagnostic toolkits on micro-insurance	Finance	Publication and documentation	SDCC	8528
Diagnostic studies conducted using diagnostic tool kits and recommendations for proposed policy reforms	Finance	Publication and documentation	SDCC	8528
Gender-based research on trends in gender mainstreaming in ADB priority sectors	Gender	Publication and documentation	SARD, Gender Equity, SDCC	
Asia SME Finance Monitor	Finance, Industry and trade	Publication and documentation	SDCC	
The Economic Effects of Participating in Global Value Chains: Country and Sector Level Analysis	Capacity development, economics, governance and public sector management	Publication and documentation	ERCD	8779
Toolkits on disaster risk financing	Finance	Publication and documentation	SDCC	
Gender Equality Results Case Studies on SARD Projects	Gender	Publication and documentation	SARD, Gender Equity, SDCC	
SASEC 2025: Vision Document	Regional cooperation and integration	Publication and documentation	SARD	
Rural Connectivity in South Asia	Transport	Publication and documentation	SARD	
Impact of Natural Disasters on Household Income and Savings Behavior in Bangladesh and Pakistan	Economics	Publication and documentation	ERCD	
Transport and Trade Facilitation Monitoring Mechanism	Industry and trade, regional cooperation and integration	Publication and documentation	SARD	8436
Launch Seminar of Asia SME Finance Monitor	Finance, industry and trade	Event organization	SDCC, Finance	

<b>Title of Publication or Event</b>	<b>Subject</b>	<b>Type</b>	<b>Department or Sector Group or Thematic Group</b>	<b>Technical Assistance</b>
Asia Clean Energy Forum 2017	Energy, environment, finance, regional cooperation and integration	Event organization	SDCC, Energy	
Asia Solar Energy Forum 11th Meeting	Climate change, energy, environment, finance, capacity development	Event organization	SDCC, Energy	
Launch and Dissemination of the Asian Economic Integration Report 2017	Capacity development, economics, finance, industry and trade, regional cooperation and integration	Event organization	ERCD	
2017 Workshop on Effective CSO Engagement for SARD	Governance and public sector management	Training or capacity development	SDCC	
Sub-Regional workshop and/or conferences on gender and transport	Gender, transport	Training or capacity development	SARD, Gender Equity, SDCC	8311
Trainings for policymakers, insurance supervisors, and other insurance stakeholders	Finance	Training or capacity development	SDCC, Finance	8528
<b>Total number of publications = 18</b> <b>Total number of events = 7</b>				

ADB = Asian Development Bank; CSO = civil society organization; DER = Department of External Relations; ERCD = Economic Research and Regional Cooperation Department; SARD = South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SDCC = Sustainable Development and Climate Change Department; SME = small and medium-sized enterprise.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: ADB Knowledge Nexus.

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

<b>Title of Publication or Event</b>	<b>Subject</b>	<b>Type</b>	<b>Department or Sector Group or Thematic Group</b>	<b>Technical Assistance</b>
Asian Development Outlook 2016	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2016 Update	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2016 Supplement	Economics	Publication and documentation	ERCD	
Bangladesh Quarterly Economic Update (2 Issues)	Economics	Publication and documentation	SARD	
The Bangladesh Country Diagnostic Study	Economics, energy, transport, industry and trade	Publication and documentation	ERCD	8266
Bangladesh Employment Diagnostics: Looking Beyond Garments	Economics	Publication and documentation	ERCD	7951
Bangladesh Economic Indicators Update (3 issues)	Economics	Database	SARD	
Asian Development Bank and Bangladesh: Fact Sheet 2015	Economics and governance	Publication and documentation	DER, SARD	
Does Bangladesh Need to Switch Gears? The Relationship between Export Concentration and Economic Agglomeration	Economics	Publication and documentation	ERCD	
Towards a Comprehensive Integrated Multimodal Economic Corridor Network for Bangladesh	Climate change, industry and trade, regional cooperation and integration, transport, and education	Publication and documentation	SARD	8254
Bangladesh Governance Risk Assessment and Risk Management Plan	Governance	Publication and documentation	SARD	
Bangladesh Inclusive and Sustainable Growth Assessment	Economics	Publication and documentation	SARD	
Technical Assistance Reports on Social Protection Index	Governance and public sector management, poverty, social development and protection	Publication and documentation	SDCC, Social Development	8677
Launch of Bangladesh Country Diagnostic Study and Bangladesh Employment Diagnostic Study	Economics, energy, transport, industry and trade	Event organization	ERCD	8266, 7951
Meeting to Review Implementation of Bangladesh-Bhutan-India-Nepal Motor Vehicles Agreement	Regional cooperation and integration and transport	Event organization	SARD	
4th SASEC Electricity Transmission Utility Forum	Energy, regional cooperation and integration	Event organization	SARD	
Asia Clean Energy Forum 2016	Capacity development, climate change, energy, environment, regional cooperation and integration	Event organization	SDCC, Energy	
SASEC 2025 Second Regional Consultation Workshop	Regional cooperation and integration	Event organization	SARD	
SASEC Transport and Trade Facilitation Working Group Meeting	Industry and trade, regional cooperation and integration	Event organization	SARD	

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Fifth South Asian Judicial Roundtable on Environmental Justice	Regional cooperation and integration, governance and public sector management, environment and capacity development	Event organization	OGC	
Regional Seminar of the ADB-OECD Anticorruption Initiative (Bhutan)	Governance and public sector management, capacity development	Event organization	Governance, SDCC	9061
SASEC ASYCUDA Subregional Network Meeting	Capacity development, regional cooperation and integration	Event organization	SARD	
NBR Second National Workshop on Customs Valuation	Regional cooperation and integration, capacity development, and industry and trade	Training or capacity development	SARD	
Trainings for policymakers, insurance supervisors, and other insurance stakeholders	Finance	Training or capacity development	SDCC, Finance	8528
<b>Total number of publications = 13</b> <b>Total number of events = 11</b>				

ADB = Asian Development Bank; ASYCUDA = Automated System for Customs Data; DER = Department of External Relations; ERCD = Economic Research and Regional Cooperation Department; NBR = National Board of Revenue; OECD = Organisation for Economic Co-operation and Development; OGC = Office of the General Council; SARD = South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SDCC = Sustainable Development and Climate Change Department.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development. The table includes additional knowledge publications and events delivered outside the list of indicative knowledge publications and events included in the 2017 country operations business plan.

Source: ADB Knowledge Nexus.

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

Item	Nature	Project Number	Sector or Theme	Division
PDA for Rural Infrastructure Maintenance Program (result-based lending)	INO, PLT		ANR	SAER
PDA for City Region Economic Development Investment Program	PLT		WUS	SAUW
PDA for Market and Value Chain Infrastructure Development Project	PLT		ANR	SAER
Pilot Project on Weather Index-Based Crop Insurance	TCH, PLT	G-9172	ANR	SAER
<b>Total number of innovation, advanced technology, and pilot initiatives = 4</b>				

ANR = agriculture, natural resources, and rural development; INO = innovation; PDA = project design advance; PLT = pilot initiative; SAER = South Asia Environment, Natural Resources and Agriculture Division; SAUW = South Asia Urban Development and Water Division; TCH = advanced technology; WUS = water and other urban infrastructure and services.

Source: Asian Development Bank estimates.