



Country Operations Business Plan

August 2018

Bangladesh
2019–2021

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

Asian Development Bank

CURRENCY EQUIVALENTS

(as of 31 July 2018)

Currency unit	–	taka (Tk)
Tk1.00	=	\$0.012
\$1.00	=	Tk84.52

ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
OCR	–	ordinary capital resources
SASEC	–	South Asia Subregional Economic Cooperation
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., FY2018 ends on 30 June 2018.
- (ii) In this report, "\$" refers to United States dollars.

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I. CONSISTENCY OF BUSINESS PLAN WITH COUNTRY PARTNERSHIP STRATEGY

1. The country operations business plan (COBP), 2019–2021 for Bangladesh updates the Bangladesh COBP, 2018–2020.¹ It is consistent with the strategic priorities of the Asian Development Bank (ADB) country partnership strategy, 2016–2020 for Bangladesh, the government’s Seventh Five-Year Plan (FY2016–FY2020), and ADB’s Strategy 2030.²

2. The COBP focuses on the country partnership strategy’s five priority investment areas: (i) easing infrastructure constraints, (ii) improving human capital, (iii) promoting economic corridor development, (iv) improving rural livelihoods, and (v) providing climate- and disaster-resilient infrastructure and services. The 2019–2021 program will maintain operations in the following sectors: energy (23.5%); transport (21.9%); water and other urban infrastructure and services (21.4%); agriculture, natural resources, and rural development (13.0%); education (12.8%); and finance and public sector management (7.4%). The program reinforces support for gender mainstreaming, governance and institutional strengthening, and knowledge solutions. Project interventions will integrate environmental and climate change considerations.

3. About two-thirds of the 2019–2021 lending program (by volume) focuses on developing and improving infrastructure. Priority infrastructure support includes expanding power generation capacity; improving power transmission and distribution networks; supporting regional power interconnections; strengthening road, railway, and port connectivity; and improving urban infrastructure and services, water supply, and sanitation. A focus on developing economic corridors will continue helping Bangladesh benefit from domestic and regional trade. The program also prioritizes high-quality education and skills development with a renewed focus on science, technology, and innovation. Improving rural market connectivity, agribusiness infrastructure, and flood and riverbank erosion management are also priorities.

II. INDICATIVE RESOURCE PARAMETERS

4. Bangladesh, a group B developing member country, is eligible for concessional ordinary capital resources (OCR) lending and regular OCR lending. The indicative resources available during 2019–2021 for sovereign operations amount to \$4,270.4 million, comprising \$1,750.4 million for concessional OCR lending, and \$2,520 million for regular OCR lending. Special grant support of \$100 million from the regional set-aside of Asian Development Fund 12 resources (Emergency Assistance Project) was approved in July 2018 to address the immediate and urgent needs of the displaced persons from Myanmar, as identified by the United Nations in its Joint Response Plan.³ A second phase of \$100 million grant will be considered based on the progress of first phase (standby 2019).

5. The final allocation will depend on available resources and the outcome of the country performance assessments. Cofinancing and funding from other sources will be explored. ADB’s private sector operations will focus largely on energy and finance sectors.

6. Appendix 2 lists the indicative lending and nonlending program for 2019–2021. Required

¹ ADB. 2017. *Country Operations Business Plan: Bangladesh, 2018–2020*. Manila.

² ADB. 2016. *Country Partnership Strategy: Bangladesh, 2016–2020*. Manila; Government of Bangladesh, Ministry of Planning. 2015. *Seventh Five Year Plan FY2016–FY2020: Accelerating Growth, Empowering Citizens*. Dhaka; ADB. 2018. *Strategy 2030—Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

³ The United Nations led Joint Response Plan lays out a vision for a coordinated response to address the immediate needs of the refugees and mitigate the impacts on affected host communities. The project will mainly support the improvement of water supply and sanitation, disaster risk management, sustainable energy supply, and access roads in camps in Cox’s Bazar district.

resources include \$4,330.5 million for firm projects, \$3,781 million for standby projects, and about \$17 million for the nonlending program. Sector absorptive capacity and project readiness were identified as key attributes for selection of projects in the 2019 firm pipeline. The standby list includes a strong pipeline of bankable projects that respond to the country's needs, reflects its growing absorptive capacity, and the advanced state of readiness on the part of both the government and ADB. Standby projects will be considered for financing depending on their project readiness and availability of additional lending resources.

7. The country assistance results areas (which align ADB assistance sectors with the cross-sector strategic agenda, provide directions on allocations of sector resources, and show changes from the last COBP) are in Appendix 1. The assistance program for 2018 is in Appendix 3. The indicative list of knowledge publications and events for 2019 is in Appendix 4.

III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

8. **Energy.** Two new projects—the Energy Efficiency with Renewable Energy Project (\$125 million) and Power Generation Project (\$230 million)—were added to the 2019–2021 firm program. The SASEC Bangladesh–India Grid Interconnection-East Project (\$140 million) and Rural Electrification Expansion Project (\$330 million) were shifted to the firm program from standby. The Renewable Energy Project (\$200 million) shifted to 2019 from 2020.

9. **Transport.** The SASEC Chittagong–Cox's Bazar Railway Project Phase 1 (tranche 3) (\$300 million) was added to the 2021 firm program. The Chittagong Port Enhancement Project was renamed SASEC Chittagong Port Enhancement Project Phase 1 (\$76 million). SASEC Dhaka–Chittagong Railway Project Phase 1 (Tranche 1) was renamed SASEC Tongi–Akhaura Railway Project and shifted to 2020 standby from 2019 firm. SASEC Railway Connectivity Dhaka–Comilla Chordline Project (Tranche 1) and Greater Dhaka Sustainable Urban Transport Project (Additional Financing) were dropped.

10. **Education.** One new project—Second Skills for Employment Project (\$200 million)—was added to the 2019–2021 program. Secondary Education Sector Investment Program (tranche 3) was carried over to the 2018 program from 2017. The Supporting Information Technology Skills Development for Growth Centers Project was renamed Innovations in Tertiary Education for Competitiveness (Information Technology) Project (\$100 million), and Support to Advanced Institutions in Science and Technology Project was renamed Innovations in Tertiary Education for Competitiveness (Advanced Agriculture) Project (\$100 million).

11. **Finance and public sector management.** Two new projects—the Small and Medium-Sized Enterprise Development Project (\$50 million) and Southwest Region Development Facility (\$170 million)—were added to the 2021 firm program.

12. **Water and other urban infrastructure and services.** Khulna Water and Sewerage Improvement Project and Dhaka Environmentally Sustainable Water Supply Project (additional financing) were added as new firm projects. The Secondary Towns Water Supply and Sanitation Project (\$200 million) was shifted to 2021 firm from 2020 standby and split into two projects: Secondary Towns Water Supply and Sanitation Project (\$200 million) and Narayanganj Urban Development Project (\$100 million).

13. **Agriculture, natural resources, and rural development.** Three new projects—Rural Connectivity Improvement Project Phase 2, Irrigation Management Improvement Project (additional financing), and Climate Change and Disaster Resilience Small Scale Water Resource Management Phase 4—were added to the 2019–2021 firm program.

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes to which ADB Contributes	ADB		
	Key Areas of Assistance	Indicative Resource Allocation Available for Commitment in 2019–2021	Changes from the Last COBP
1. Agriculture, Natural Resources, and Rural Development			
Higher agricultural productivity and wages, and increased employment	Integrated water resources management and irrigation service delivery	Amount: \$563.5 million (\$150 million from regular OCR and \$413.5 million from COL)	<ul style="list-style-type: none"> ▪ Added Rural Connectivity Improvement Project Phase 2, Irrigation Management Improvement Project (additional financing), and Climate Change and Disaster Resilience Small Scale Water Resource Management Phase 4.
Better-managed flood control and riverbank erosion mitigation	Rural flood protection	Share of the COBP envelope: 13.0% ^b	
Increased women's participation in education and employment ^a	Rural market infrastructure		
	Agro-industry, marketing, and trade		
2. Education			
Quality education, greater access to education, and employment skills	Technical and vocational education and training	Amount: \$550 million (COL)	<ul style="list-style-type: none"> ▪ Added Second Skills for Employment Project. ▪ Human Capital Development Project Readiness Facility dropped. ▪ Secondary Education Sector Investment Program (Tranche 3) moved from 2017 to 2018. ▪ Supporting Information Technology Skills Development for Growth Centers Project renamed Innovations in Tertiary Education for Competitiveness (Information Technology) Project. ▪ Support to Advanced Institutions in Science and Technology Project renamed Innovations in Tertiary Education for Competitiveness (Advanced Agriculture) Project.
Sustainable good quality urban primary health care	Primary, secondary, and higher education	Share of the COBP envelope: 12.8% ^b	
Increased women's participation in education and employment ^a	Tertiary education on ICT		
3. Energy			
Higher availability and reliability of, and enhanced access to, a power supply	Electricity generation, transmission, and distribution	Amount: \$1,025 million (\$875 million from regular OCR and \$150 million from COL)	<ul style="list-style-type: none"> ▪ SASEC Bangladesh-India Grid Interconnection (North) Project dropped. ▪ Added Energy Efficiency with Renewable Energy Project, and Power Generation Project. ▪ SASEC Bangladesh-India Grid Interconnection (East) Project and
Improved regional transport and energy connectivity	Energy efficiency and conservation Regional energy connectivity	Share of the COBP envelope: 23.5% ^b	
Increased women's participation in education and employment ^a	Renewable energy generation, solar and wind		

Key Country Development Outcomes to which ADB Contributes	ADB		
	Key Areas of Assistance	Indicative Resource Allocation Available for Commitment in 2019–2021	Changes from the Last COBP
			Rural Electrification Expansion Project shifted from standby to firm. ▪Renewable Energy Project shifted to 2019 from 2020.
4. Finance			
More inclusive finance sector Higher private investment Increased women's participation in education and employment ^a	Microenterprise development	Amount: \$270 million (\$250 million from regular OCR and \$20 million from COL) Share of the COBP envelope: 6.2% ^b	▪Added Small and Medium-Sized Enterprise Development Project and Southwest Region Development Facility. ▪Microenterprise Finance Project shifted from standby to firm.
5. Public Sector Management			
Improved public sector organizational efficiency Enhanced accountability and transparency in the public sector and proper use of public resources	Land record digitization, online tax return submission	Amount: \$50 million (COL) Share of the COBP envelope: 1.2% ^b	No change.
6. Transport			
More efficient transport infrastructure and connectivity Environmentally sustainable transport system Improved regional transport and energy connectivity	Road and rail network expansion Railway capacity improvement Seaport development Sustainable urban public transport systems Regional road and rail connectivity development Transport policies and institutional development	Amount: \$946 million (\$888 million from regular OCR and \$58 million from COL) Share of the COBP envelope: 21.9% ^b	▪SASEC Railway Connectivity Dhaka-Comilla Chordline Project (Tranche 1), and Greater Dhaka Sustainable Urban Transport Project (Additional Financing) dropped. ▪Added SASEC Chittagong–Cox's Bazar Railway Project Phase 1 (tranche 3). ▪Dhaka Transport Hub Project and Preparing Railway Connectivity Projects merged into Multimodal Transport Preparatory Facility. ▪SASEC Dhaka-Chittagong Railway Project Phase 1 (Tranche 1) renamed SASEC Tongi-Akhaura Railway Project. ▪SASEC Chittagong-Cox's Bazar Railway Project Phase 1 (Tranche 2) shifted to firm from standby.

Key Country Development Outcomes to which ADB Contributes	ADB		
	Key Areas of Assistance	Indicative Resource Allocation Available for Commitment in 2019–2021	Changes from the Last COBP
7. Water and Other Urban Infrastructure and Services			
Improved urban infrastructure and services	Water and sanitation infrastructure	Amount: \$926 million (\$580 million from regular OCR and \$240 million from COL)	<ul style="list-style-type: none"> ▪ Added Khulna Water and Sewerage Improvement Project, and Dhaka Environmentally Sustainable Water Supply Project (additional financing).
Increased participation by women in education and employment ^a	Urban flood protection Urban growth centers and infrastructure for economic development	Share of the COBP envelope: 21.4% ^b	<ul style="list-style-type: none"> ▪ Secondary Towns Water Supply and Sanitation Project shifted from standby to firm.

ADB = Asian Development Bank, COBP = country operations business plan, COL = concessional OCR lending, ICT = information and communication technology, OCR = ordinary capital resources, SASEC = South Asia Subregional Economic Cooperation.

^a Consistent with the gender-related key outcomes in the country partnership strategy results framework, ADB will pursue women’s participation in sector-related decision-making processes and structures, and livelihood and employment opportunities.

^b Sector shares for the total pipeline, including standby projects, are as follows: transport (39.2%); energy (29.2%); water supply and other urban services (12.4%); education (10.2%); agriculture, natural resources, and rural development (6.3%); and finance and public sector management (1.2%).

Source: ADB estimates.

INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2019–2021

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2019 Firm												
Rural Connectivity Improvement Project	ANR	GI	IEG/GCD/GEM	SAER	2016	TBD	100.0	100.0	0.0	200.0	TBD	0.0
Flood and Riverbank Erosion Risk Management Investment Program (tranche 2)	ANR	GI	IEG/ESG/GCD/GEM/KNS/PAR	SAER		TBD	0.0	150.0	0.0	150.0	TBD	0.0
Skills for Employment Investment Program (tranche 3) ^a	EDU	GI	IEG/GCD/PAR	SAHS		TBD	0.0	150.0	0.0	150.0	TBD	0.0
South Asia Subregional Economic Cooperation Bangladesh–India Grid Interconnection-East Project	ENE	GI	IEG/RCI/GEM/PSD	SAEN	2017	TBD	80.0	60.0	0.0	140.0	TBD	0.0
Renewable Energy Project	ENE	GI	IEG/ESG/GCD/GEM/KNS/PSD	SAEN	2018	TBD	180.0	20.0	0.0	200.0	TBD	0.0
Microenterprise Development Project	FIN	GI	IEG/GCD/GEM/KNS/PSD	SAPF		TBD	50.0	0.0	0.0	50.0	TBD	0.0
South Asia Subregional Economic Cooperation Chittagong Port Enhancement Project Phase 1	TRA	GI	IEG/GCD/PSD/RCI	SATC		TBD	73.0	3.0	0.0	76.0	TBD	0.0
South Asia Subregional Economic Cooperation Chittagong–Cox's Bazar Railway Project Phase 1 (tranche 2) ^b	TRA	GI	IEG/ESG/GCD/GEM/RCI	SATC		TBD	265.0	10.0	0.0	275.0	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Multimodal Transport (PRF) ^g	TRA	GI	IEG/ESG/KNS	SATC		TBD	0.0	35.0	0.0	35.0	TBD	0.0
Dhaka Metro Line 5 (South) Project Preparation (PRF)	TRA	GI	IEG/GEM/GCD	SATC		TBD	0.0	10.0	0.0	10.0	TBD	0.0
City Region Development Project II	WUS	TI-G	IEG/ESG/GCD/GEM/PAR	SAUW	2016	TBD	75.0	75.0	0.0	150.0	TBD	0.0
Urban Infrastructure Improvement Preparatory Facility (PRF) ^g	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	0.0	11.0	0.0	11.0	TBD	0.0
Total						TBD	823.0	624.0	0.0	1,447.0	TBD	0.0
2019 Standby												
Ganges–Kobadak Irrigation Project	ANR	GI	IEG/ESG/GCD	SAER	2016	TBD	0.0	180.0	0.0	180.0	TBD	0.0
LNG Import Financing Facility	ENE	GI	IEG/ESG/GCD/PSD	BRM	2019	TBD	100.0	0.0	0.0	100.0	TBD	0.0
Supporting LNG Import and Natural Gas Transmission Pipeline Project	ENE		IEG/ESG/	SAEN		TBD	200.0	0.0	0.0	200.0	TBD	0.0
Southwest Transmission Grid Expansion Project Phase 2	ENE	GI	IEG/ESG/PAR	SAEN	2017	TBD	300.0	0.0	0.0	300.0	TBD	0.0
Dhaka–Chittagong Highspeed Rail	TRA	GI	IEG/ESG/GCD/GEM/RCI	BRM		TBD	200.0	0.0	0.0	200.0	TBD	0.0
South Asia Subregional Economic Cooperation Dhaka–Northwest Corridor Project Phase 3 (tranche 1) ^c	TRA	TI-G	IEG/ESG/GCD/GEM/RCI	SATC		TBD	200.0	0.0	0.0	200.0	TBD	0.0
Emergency Assistance Project Phase 2 ^h	MUL	GI	IEG/ESG/GEM/PAR	SAOD		TBD	0.0	0.0	100.0	100.0	TBD	0.0
Total						TBD	1,000.0	180.0	100.0	1,280.0	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2020 Firm												
Rural Connectivity Improvement Project Phase 2	ANR	GI	IEG/GCD/GEM	SAER		TBD	50.0	50.0	0.0	100.0	TBD	0.0
Irrigation Management Improvement Project (additional financing)	ANR	GI	IEG/ESG/GCD	SAER		TBD	0.0	13.5	0.0	13.5	TBD	0.0
Climate Change and Disaster Resilience Small Scale Water Resource Management Phase 4	ANR	GI	IEG/ESG	SAER		TBD	0.0	100.0	0.0	100.0	TBD	0.0
Innovations in Tertiary Education for Competitiveness (Information Technology) Project	EDU	GI	IEG/GCD/GEM	SAHS	2018	TBD	0.0	100.0	0.0	100.0	TBD	0.0
Energy Efficiency with Renewable Energy Project	ENE	GI	IEG/ESG/GCD/PSD	SAEN	2016	TBD	85.0	40.0	0.0	125.0	TBD	0.0
Rural Electrification Expansion Project	ENE	GI	IEG/GCD/GEM	SAEN	2019	TBD	300.0	30.0	0.0	330.0	TBD	0.0
Strengthening Governance Management Project (phase 2)	PSM		IEG/GCD/KNS	BRM		TBD	0.0	50.0	0.0	50.0	TBD	0.0
Dhaka Metro Line 5 Investment Program Phase 1 (tranche 1) ^d	TRA	GI	IEG/ESG/GCD/PAR	SATC		TBD	250.0	0.0	0.0	250.0	TBD	0.0
Khulna Water and Sewerage Improvement Project	WUS	TI-G	IEG/ESG/GCD/GEM/PAR	SAUW	2015	TBD	50.0	100.0	0.0	150.0	TBD	0.0
Dhaka Environmentally Sustainable Water Supply Project (additional financing)	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	100.0	100.0	0.0	200.0	TBD	0.0
Total						TBD	835.0	583.5	0.0	1,418.5	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2020 Standby												
Small Scale LNG Project	ENE	GI	IEG/ESG/GCD/PSD	SAEN	2019	TBD	65.0	0.0	0.0	65.0	TBD	0.0
Southwest Distribution System Expansion Project	ENE	GI	IEG/GCD/GEM	SAEN	2017	TBD	200.0	0.0	0.0	200.0	TBD	0.0
Third Public–Private Infrastructure Development Facility (tranche 2) ^e	FIN	GI	IEG/GCD/PSD	SAPF		TBD	250.0	16.0	0.0	266.0	TBD	0.0
South Asia Subregional Economic Cooperation Tongi Akhaura Railway Project	TRA	GI	IEG/ESG/GCD/GEM/GCD	SATC		TBD	150.0	0.0	0.0	150.0	TBD	0.0
South Asia Subregional Economic Cooperation Dhaka–Northwest Corridor Road Project, Phase 2 (tranche 2) ^f	TRA	TI-G	IEG/ESG/GCD/RCI	SATC		TBD	250.0	0.0	0.0	250.0	TBD	0.0
South Asia Subregional Economic Cooperation Dhaka–Southwest Corridor Road Phase 1 (tranche 1) ^d	TRA	TI-G	IEG/ESG/GCD/RCI	SATC		TBD	200.0	0.0	0.0	200.0	TBD	0.0
Development of Inland Container Depot	TRA	GI	IEG/GCD/PSD	BRM		TBD	100.0	0.0	0.0	100.0	TBD	0.0
Total						TBD	1,215.0	16.0	0.0	1,231.0	TBD	0.0
2021 Firm												
Second Skills for Employment Project	EDU	GI	IEG/ESG/GCD/PSD/ PAR/KNS	SAHS		TBD	0.0	200.0	0.0	200.0	TBD	0.0
Innovations in Tertiary Education for Competitiveness (Advanced Agriculture) Project	EDU	GI	IEG/ESG/GCD/GEM/PSD	SAHS	2019	TBD	0.0	100.0	0.0	100.0	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Power Generation Project	ENE	GI	IEG/ESG/GCD/PSD	SAEN	2019	TBD	230.0	0.0	0.0	230.0	TBD	0.0
SMEs Development Project	FIN	GI	IEG/GCD/GEM/PSD	BRM		TBD	50.0	0.0	0.0	50.0	TBD	0.0
Southwest Region Development Facility	FIN	GI	IEG/PSD	BRM		TBD	150.0	20.0	0.0	170.0	TBD	0.0
South Asia Subregional Economic Cooperation Chittagong–Cox's Bazar Railway Project Phase 1 (tranche 3) ^d	TRA	GI	IEG/GCD/RCI	SATC		TBD	300.0	0.0	0.0	300.0	TBD	0.0
Secondary Towns Water Supply and Sanitation Project	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	100.0	100.0	0.0	200.0	TBD	0.0
Second Coastal Towns Environmental Infrastructure Improvement Project	WUS	TI-G	IEG/ESG/GCD/GEM/KNS/PAR/PSD	SAUW		TBD	50.0	150.0	0.0	200.0	TBD	0.0
Preparing Urban Infrastructure Projects (PRF) ^g	WUS	TI-G	IEG/ESG/GCD	SAUW		TBD	0.0	15.0	0.0	15.0	TBD	0.0
Total						TBD	880.0	585.0	0.0	1,465.0	TBD	0.0
2021 Standby												
Market and Value Chain Infrastructure Development Project	ANR	GI	IEG/GCD/GEM/PSD	SAER	2016	TBD	70.0	0.0	0.0	70.0	TBD	0.0
Electricity Transmission Project	ENE	GI	IEG/GCD/GEM/PSD	SAEN	2019	TBD	200.0	0.0	0.0	200.0	TBD	0.0
Dhaka–Chittagong Expressway Investment Project (tranche 1) ^d	TRA	GI	IEG/GCD/PSD	SATC		TBD	200.0	0.0	0.0	200.0	TBD	0.0
Fourth Urban Governance and Infrastructure Improvement Project	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	100.0	100.0	0.0	200.0	TBD	0.0
Narayanganj Urban Development Project	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	50.0	50.0	0.0	100.0	TBD	0.0

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	Regular OCR	COL	ADF Grants	Total		
Dhaka Sewerage System Development Project	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	300.0	0.0	0.0	300.0	TBD	0.0
City Region Development Project III	WUS	TI-G	IEG/ESG/GCD/GEM	SAUW		TBD	100.0	100.0	0.0	200.0	TBD	0.0
Total						TBD	1,020.0	250.0	0.0	1,270.0	TBD	0.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; 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; IEG = inclusive economic growth; KNS = knowledge solutions; LNG = liquefied natural gas; MUL = multisector; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PRF = project readiness facility; PSD = private sector development; PSM = public sector management; 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; SAOD = South Asia Office of the Director General; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; SMEs = small and medium-sized enterprises; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: ADB (Strategy and Policy Department). 2017. Transition Arrangements in 2017 for the Introduction of Commitments. Memorandum. 10 March (internal). The lending pipeline was prepared based on the expected year of signing.

^a The total multitranchise financing facility (MFF) amounts to \$350 million approved by ADB in 2014.

^b The total MFF amounts to \$1,500 million approved by ADB in 2016.

^c The total MFF amounts to \$800 million.

^d The total MFF amounts to \$1,000 million.

^e The total MFF amounts to \$526 million (approved by ADB in 2017).

^f The total MFF amounts to \$1,200 million (approved by ADB in 2017).

^g The PRF replaced the technical assistance loan modality in 2018.

^h Grant for displaced persons from Myanmar living in camps in Bangladesh.

Source: ADB estimates.

Table A2.2: Nonlending Products and Services, 2019–2021

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2019								
Support to Rural Connectivity Improvement Project	ANR	SAER	TRTA	TASF	1,000.0		0	1,000.0
Support to Innovations in Tertiary Education for Competitiveness (supplementary)	EDU	SAHS	TRTA	TASF	500.0	TBD	800.0	1,300.0
Preparing Support for LNG in Bangladesh	ENE	SAEN	TRTA	TASF	1,500.0		0	1,500.0
Preparing Rural Electrification Project	ENE	SAEN	TRTA	TASF	500.0		0	500.0
Preparing Electricity Transmission Project	ENE	SAEN	TRTA	TASF	500.0		0	500.0
Preparing Power Generation Project	ENE	SAEN	TRTA	TASF	500.0		0	500.0
Bangladesh Renewable Energy Investment Plan	ENE	SAEN	KSTA		0	CEFPF, CTF	1,900.0	1,900.0
Support to SASEC Road Corridor Development	TRA	SATC	TRTA	TASF	1,000.0		0	1,000.0
Safeguard Monitoring for Railway Projects	TRA	SATC	TRTA	TASF	1,000.0		0	1,000.0
Strengthening Capacity of City Corporations	WUS	SAUW	TRTA	TASF	1,000.0		0	1,000.0
Total					7,500.0		2,700.0	10,200.0
2020								
Capacity Development in Infrastructure Development Company Limited	FIN	SAPF	TRTA		0	FSDPSF	750.0	750.0
Support to Dhaka Urban Transport	TRA	SATC	TRTA	TASF	1,000.0		0	1,000.0
Metro Capacity Development and National Appropriate Mitigation Action	TRA	SATC	TRTA	TASF	1,000.0		0	1,000.0
Support for Khulna Water Supply and Sewerage Authority	WUS	SAUW	TRTA	TASF	500.0		0	500.0
Total					2,500.0		750.0	3,250.0
2021								
Support to Improvement of Education Sector Management	EDU	SAHS	TRTA	TASF	500.0	TBD	1,500.0	2,000.0
Support to Primary Health Care	HLT	SAHS	TRTA	TASF	1,000.0		0	1,000.0
Support for Secondary Towns Water Supply	WUS	SAUW	TRTA	TASF	500.0		0	500.0
Total					2,000.0		1,500.0	3,500.0

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CEFPF = Clean Energy Financing Partnership Facility; CTF = Clean Technology Fund; EDU = education; ENE = energy; FIN = finance; FSDPSF = Financial Sector Development Partnership Special Fund; HLT = health; KSTA = knowledge and support technical assistance; LNG = liquefied natural gas; 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; TASF = Technical Assistance Special Fund; TBD = to be determined; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: ADB (Strategy and Policy Department). 2017. Transition Arrangements in 2017 for the Introduction of Commitments. Memorandum. 10 March (internal). The nonlending pipeline was prepared based on the expected year of signing.

Source: ADB estimates.

ASSISTANCE PROGRAM FOR CURRENT YEAR

Table A3.1: Lending Products, 2018

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						ADB					Gov't	Co-finance
						Total	Regular OCR	COL	ADF Grants	Total		
Firm												
Secondary Education Sector Investment Program (tranche 3) ^a	EDU	GI	IEG/GCD/GEM/PAR	SAHS	2013	TBD	0.0	225.0	0.0	225.0	TBD	520.0
Fourth Primary Education Development Project (RBL)	EDU	GI	IEG/GCD/GEM/KNS/PAR	SAHS	2016	TBD	0.0	500.0	0.0	500.0	TBD	700.0
Southwest Transmission Grid Expansion Project-Phase 1	ENE	GI	IEG/ESG/PAR	SAEN	2017	TBD	350.0	0.0	0.0	350.0	TBD	7.5
Rupsha 800-Megawatt Combined Cycle Power Plant Project	ENE	GI	IEG/ESG/GEM/GCD	SAEN	2016	TBD	500.0	0.0	0.0	500.0	TBD	301.5
Power System Efficiency Improvement Project (additional financing)	ENE	GI	IEG/ESG/GEM/PAR	SAEN		TBD	0.0	0.0	0.0	0.0	TBD	25.4
Urban Primary Health Care Services Delivery Project (additional financing)	HLT	GI	IEG/GCD/GEM/PAR/PSD	SAHS	2016	TBD	0.0	110.0	0.0	110.0	TBD	2.0
Railway Rolling Stock Operations Improvement Project	TRA	GI	IEG/ESG/PAR	SATC		TBD	354.0	6.0	0.0	360.0	TBD	0.0
Emergency Assistance Project ^b	MUL	GI	IEG/ESG/GEM/PAR	SAOD	2018	TBD	0.0	0.0	100.0	100.0	TBD	0.0
Total						TBD	1,204.0	841.0	100.0	2,145.0	TBD	1,556.4

ADB = Asian Development Bank; ADF = Asian Development Fund; COL = concessional OCR lending; EDU = education; ENE = energy; ESG = environmentally sustainable growth; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; HLT = Health; IEG = inclusive economic growth; KNS = knowledge solutions; MUL = multisector; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PSD = private sector development; RBL = results-based lending; SAEN = South Asia Energy Division; SAHS = South Asia Human and Social Development Division; SAOD = South Asia Office of the Director General; SATC = South Asia Transport and Communications Division; TBD = to be determined; TRA = transport; TRTA = transaction technical assistance.

Note: Given the provisional nature of the indicative lending program, the composition of the lending instruments actually delivered may change. Investment lending accounted for 91% of sovereign lending commitments during 2015–2017, conventional policy-based lending accounted for 6%, and results-based lending 3%.

^a Total multitranches financing facility amounts to \$500 million approved by ADB in 2013.

^b Grant for displaced persons from Myanmar living in camps in Bangladesh.

Note: ADB (Strategy and Policy Department). 2017. Transition Arrangements in 2017 for the Introduction of Commitments. Memorandum. 10 March (internal). The lending pipeline was prepared based on the expected year of signing.

Source: ADB estimates.

Table A3.2: Nonlending Products and Services, 2018

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Rural Connectivity Improvement Project	ANR	SAER	TRTA	TASF	1,000.0		0	1,000.0
Sustainable Management of Community Development for Chittagong Hill Tracts	ANR	BRM	TRTA	TASF	500.0		0	500.0
Support to Primary Education Development (Supplementary)	EDU	SAHS	TRTA	TASF	500.0	Canada	1,168.0	1,668.0
Improving Secondary Education Sector Management	EDU	SAHS	TRTA	TASF	500.0		0	500.0
Support to Innovations in Tertiary Education for Competitiveness	EDU	SAHS	TRTA	TASF	200.0	JFPR	500.0	700.0
Southwest Distribution Expansion (supplementary)	ENE	SAEN	TRTA	TASF	500.0		0	500.0
Feasibility Study of Bangladesh Renewable Energy Project	ENE	BRM	KSTA		0	CEFPF	1,500.0	1,500.0
Capacity Development of Infrastructure Development Company Limited	FIN	SAPF	TRTA		0	FSDPSF	750.0	750.0
Second Capacity Building for Portfolio Management	PSM	BRM	TRTA		1,500.0		0	1,500.0
Railway Rolling Stock Operations Improvement Project	TRA	SATC	TRTA		0	CEFPF	500.0	500.0
Capacity Development for Project Implementation Management	TRA	SATC	TRTA		1,000.0		0	1,000.0
Updating the Road Master Plan	TRA	SATC	TRTA	TASF	2,000.0		0	2,000.0
Institutionalizing Gender Equality Practices in Local Government Engineering Division	WUS	SAUW	KSTA		0	JFPR	2,000.0	2,000.0
Support for Project Implementation of the Emergency Assistance Project	MUL	SAOD	TRTA	TASF	3,000.0		0	3,000.0
Knowledge Solutions for Inclusive and Sustainable Development	MUL	BRM	KSTA	TASF	1,000.0	PRCF/EAKPF	1,000.0	2,000.0
Total					11,700.0		7,418.0	19,118.0

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; 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; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; MUL = multisector; PRCF = People's Republic of China Regional Cooperation and Poverty Reduction Fund; 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; SAOD = South Asia Office of the Director General; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SATC = South Asia Transport and Communications Division; SAUW = South Asia Urban Development and Water Division; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: ADB (Strategy and Policy Department). 2017. Transition Arrangements in 2017 for the Introduction of Commitments. Memorandum. 10 March (internal). The nonlending pipeline was prepared based on the expected year of signing.

Source: ADB estimates.

INDICATIVE KNOWLEDGE PUBLICATIONS AND EVENTS

Table A4.1: Knowledge Publications and Events for 2019

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Asian Development Outlook 2019	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2019 Update	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2019 Supplement	Economics	Publication and documentation	ERCD	
Bangladesh Economic Indicators Update (three issues)	Economics	Database	SARD	
Asian Development Bank and Bangladesh: Fact Sheet 2018	Economics and governance	Publication and documentation	DOC, SARD	
Impact of Trade Facilitation in SASEC	Industry and trade, regional cooperation and integration	Publication and documentation	SARD	
Cross-border Power Generation, Transmission, and Trading—A Way Forward for South Asia Asian Economic Integration Report 2019	Energy	Publication and documentation	SARD	TA 7997 (regional)
	Capacity development, finance, governance and public sector management, industry and trade, regional cooperation and integration	Publication and documentation	ERCD	
Rural Connectivity in South Asia	Transport	Publication and documentation	SARD	
Key Indicators for Asia and the Pacific 2019	Economics, governance and public sector management, capacity development	Publication and documentation	ERCD	TA 9409
2016 Purchasing Power Parity Update for Selected Economies in Asia and the Pacific	Capacity development, governance and public sector management	Publication and documentation	ERCD	TA 9238
SASEC Sanitary and Phytosanitary Technical Barriers to Trade Regional Study	Industry and trade, regional cooperation and integration	Publication and documentation	SARD	
Affordable Housing, Challenges and Learnings from Country Experiences	Finance	Publication and documentation	SARD	
SASEC Coordinated Border Study	Industry and trade, regional cooperation and integration	Publication and documentation	SARD	
BIMSTEC Master Plan for Transport Connectivity	Regional cooperation and integration	Publication and documentation	SARD	TA 8009 (regional)

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Safety and Sustainability for SMEs in South Asia	Environment	Publication and documentation	SDCC	
ADB's contribution to urban development in South Asia: Two-Decade Journey	Water, urban Development	Publication and documentation	SARD	
Potential of ASEAN+6 to Emerge as a Hub of Collective Asian Leadership on E-Commerce and Digital Trade	Economics, ICT, industry and trade, regional cooperation and integration	Publication and documentation	ERCD, SARD	
Media Launch and Dissemination of the Asian Economic Integration Report 2019	Capacity development, economics, finance, industry and trade, regional cooperation and integration	Event organization		ERCD

ADB = Asian Development Bank; ASEAN+6 = the membership of the Association of Southeast Asian Nations and Australia, India, Japan, the People's Republic of China, the Republic of Korea, and New Zealand; BIMSTEC = Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation; DOC = Department of Communications; ERCD = Economic Research and Regional Cooperation Department; ICT = information and communication technology; SARD = South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SDCC = Sustainable Development and Climate Change Department; SMEs = small and medium-sized enterprises; TA = technical assistance.

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 2018

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Asian Development Outlook 2018 Supplement	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2018 Update	Economics	Publication and documentation	ERCD	
Asian Development Outlook 2018 Supplement	Economics	Publication and documentation	ERCD	
Bangladesh Economic Indicators Update (three issues)	Economics	Database	SARD	
Asian Development Bank and Bangladesh: Fact Sheet 2018	Economics and governance	Publication and documentation	DOC, SARD	
Public Financial Management Systems– Bangladesh: Key Elements from a Financial Management Perspective	Governance and public sector management	Publication and documentation	PPFD	
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	TA 8779
Poverty Purchasing Power Parities	Economics	Publication and documentation	ERCD	TA 7507
South Asia Subregional Economic Cooperation Operational Plan Update	Regional cooperation and integration	Publication and documentation	SARD	TA 9231 (regional)
The Social Protection Indicator: Assessing Results for Asia (2018)	Social development and protection	Publication and documentation	SDCC	
Asian Economic Integration Report 2018: Towards Optimal Provision of Regional Public Goods in Asia and the Pacific	Industry and trade, governance and public sector management, regional cooperation and integration, finance, capacity development	Publication and documentation	ERCD	TA 9121
Energy Technology Innovations in South Asia: Implications for Gender and Social Inclusion	Energy, gender	Publication and documentation	SARD	TA 8311 (regional)
Bangladesh: Establishing a Climate Risk Screening System for Mainstreaming Climate Change Adaptation into National Development Budgeting Activities	Agriculture and natural resources, climate change, disaster risk management, environment, water	Publication and documentation	SARD	TA 8572 (regional)
Climate Risk Atlas–Bangladesh	Climate change, disaster risk management, environment	Publication and documentation	SARD	TA 8572 (regional)
ESW Working Paper 3: Logistics	Economics	Publication and documentation	SARD	TA 8254 (regional)
Tariff Appraisal Study: Balancing Sustainability and Efficiency with Inclusive Access	Energy	Publication and documentation	SARD	TA 8311
Key Indicators for Asia and the Pacific 2018	Capacity development, economics, governance and public sector management	Publication and documentation	ERCD	
ESW Working Paper 2: Trade Costs, Time, and Supply Chain Reliability	Economics	Publication and documentation	SARD	TA 9231 (regional)

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Financing Urban Cluster Development in South Asia	Finance, urban Development	Publication and documentation	SARD, ERCD	
Taking Education in Asia to the Next Level: A New Approach to Benchmarking Education Systems	Economics	Publication and documentation	ERCD	TA 8513
Updating and Enhancement of the BIMSTEC Transport and Logistics Study Final Report	Transport	Publication and documentation	SARD	TA 7997
Migration and Remittances for Development in Asia	Finance, economics	Publication and documentation	SARD	
ADB South Asia Working Paper Series No. 55: Trade Facilitation and Innovation: Evidence from SASEC Countries	Economics	Publication and documentation	SARD	TA 9231 (regional)
Next Steps to South Asian Economic Union	Regional cooperation and integration	Publication and documentation	SARD	TA 7997
President Nakao on Bangladesh Meeting the Criteria for Least Developed Country Graduation	Economics	Publication and documentation	DOC	
Country Readiness Assessment Framework for South Asia Economic Corridor Development	Economics	Publication and documentation	SARD	TA 8254
Economic and Social Development of Bangladesh: Miracles and Challenges	Economics, social development and protection	Publication and documentation	ERCD	
University–Industry Cooperation in Information and Technology Sector in Bangladesh	Education	Publication and documentation	SARD	
Media Launch and Dissemination of the Asian Economic Integration Report 2018	Capacity development, economics, finance, industry and trade, regional cooperation and integration	Event organization	ERCD	
Asia Water Forum 2018: Information, Innovation, and Technology	Water	Flagship event	Water sector group, SDCC	TA 6498
Asia Forum 2018: Sustainable Production in the Health Sector	Health, climate change	Event organization	Health sector group, SDCC	TA 8983
Asian Clean Energy Forum 2018	Energy, environment, finance, regional cooperation and integration	Event organization	SDCC, energy	TA 8953

ADB = Asian Development Bank; BIMSTEC = Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation; DOC = Department of Communications; ERCD = Economic Research and Regional Cooperation Department; ESW = economic and sector work; PPFD = Procurement, Portfolio, and Financial Management Department; SARD = South Asia Department, SASEC = South Asia Subregional Economic Cooperation; SDCC = Sustainable Development and Climate Change Department; TA = technical assistance.

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 2019

Item	Nature	Project Number	Sector or Theme	Division
Use of results-based lending	PLT	NA	EDU	SAHS
Highly efficient conductor for electricity transmission line	TCH	3350,3522	ENE	SAEN
Zero liquid discharge waste water technology	TCH	3676	ENE	SAEN
Combined cycle power plant technology	TCH	3676	ENE	SAEN
Use of solar irrigation	TCH	2769	ENE	BRM
Use of unified specification for smart metering of electricity	TCH	3350,3087	ENE	SAEN
SCADA system for the Dhaka Electric Supply Company	TCH	3522	ENE	SAEN
Use of well head compressor	TCH	3461	ENE	SAEN
Total number of innovation, advanced technology, and pilot initiatives = 8				

BRM = Bangladesh Resident Mission; EDU = education; ENE = energy; NA = not available; PLT = pilot initiative; SAEN = South Asia Energy Division; SAHS = South Asia Human and Social Development Division; SCADA = Supervisory Control and Data Acquisition; TCH = advanced technology.

Source: ADB project documents.