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Country Operations Business Plan: Bangladesh, 2020–2022

Attached for information is a paper on the above subject.

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Country Operations Business Plan

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 7 July 2019)

Currency unit	–	taka (Tk)
Tk1.00	=	\$0.012
\$1.00	=	Tk84.53

ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
COL	–	concessional OCR lending
OCR	–	ordinary capital resources
SASEC	–	South Asia Subregional Economic Cooperation

NOTE

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), 2020–2022 updates the COBP, 2019–2021, in alignment with the government’s Seventh Five-Year Plan and with Strategy 2030 of the Asian Development Bank (ADB).¹ It also aligns with the government’s new manifesto, which highlights its priorities and sets the stage for the next 5-year plan.² The 2020–2022 lending program marks the transition to a period beyond the current country partnership strategy, 2016–2020, but continues to focus on its five priority investment areas in support of the government’s agenda: (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.

2. The lending operations cover: transport (28.0%); water supply and urban services (17.9%); education (16.0%); energy (15.2%); finance (10.9%); agriculture, natural resources and rural development (8.0%); health (3.0%); and public sector management (1.0%). They focus on inclusive and sustainable development in line with the operational priorities of Strategy 2030: (i) improving human capital to reduce inequality in access to opportunities, and facilitating the creation of quality jobs; (ii) making cities more livable by easing infrastructure constraints and providing urban services; (iii) decentralizing investments and improving rural livelihoods; and (iv) providing climate- and disaster-resilient infrastructure and services. Targeted investments across projects will mainstream activities to support gender equality, innovative knowledge solutions, and policy and institutional reforms. The projects will also contribute to the attainment of several Sustainable Development Goals in Bangladesh. Nonsovereign investments will support financial institutions, infrastructure, agro-processing and healthcare projects.

3. About 54% of sovereign investments (by volume) are proposed to strengthen road, railway and port connectivity; improve urban services, water supply and sanitation; and improve access and quality of electricity supply by strengthening power transmission and distribution systems. The lending prioritizes skills development and tertiary education with an emphasis on information technology. It also prioritizes Bangladesh’s participation in regional and global value chains by furthering regional cooperation and integration in the South Asia Subregional Economic Cooperation (SASEC) and beyond. The program will continue to enable greater private sector investment by easing credit constraints and facilitating local currency bonds.

II. INDICATIVE RESOURCE PARAMETERS

4. Bangladesh, a group B developing member country, is eligible for regular ordinary capital resources (OCR) lending and concessional OCR lending (COL). The indicative resources available for commitment during 2020–2022 for sovereign operations total \$4,604.4 million—\$2,595.0 million for regular OCR lending and \$2,009.4 million for COL.³ The final allocation will depend on available resources and the outcome of the country performance assessments. Cofinancing and funding from other sources, including the regional pool under concessional resources, will be explored.

¹ ADB. 2018. *Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

² The new government manifesto puts good governance at the core, while emphasizing implementation of mega infrastructure projects, greater use of information and communication technology, rural development, employment generation, and quality education.

³ Special grant support of \$100 million may be provided for the second phase of the Emergency Assistance Project. This amount is shown as overprogrammed COL in the 2020 firm list. The first phase, committed in July 2018, provided a special grant of \$100 million to meet the immediate and urgent needs of the displaced persons from Myanmar living in camps in Bangladesh, and is at an advanced stage of implementation.

5. Appendix 3 lists the lending and nonlending program for 2020–2022. Required resources include \$4,934.5 million for firm projects,⁴ \$4,870.0 million for standby projects, and \$22.3 million for the nonlending program. Sector absorptive capacity and project readiness continue to be key criteria in selecting programs and projects, which depending on their readiness may be processed earlier and regardless of their status as firm or standby. The standby list includes a pipeline of bankable projects that respond to the country's needs and its growing absorptive capacity. They will be financed depending on the availability of additional lending resources.

6. The country assistance results areas (which align ADB assistance sectors with the cross-sector strategic agenda, provide directions on the allocation of sector resources, and show changes from the last COBP) are in Appendix 1. The assistance program for 2019 is in Appendix 4. The indicative list of knowledge publications and events for 2020 is in Appendix 5.

III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

7. **Transport.** Apart from new phases and tranches for the ongoing SASEC Dhaka–Northwest Corridor, four new projects were added: SASEC Trade Facilitation Sector Development Program, SASEC Chattogram Port Link Road Project, SASEC Dhaka-Sylhet Corridor Road Project, and SASEC Laksam–Chattogram Dual Gauge Railway project. The Multimodal Transport Project Readiness Facility was renamed Transport Connectivity Improvement Preparatory Facility with a revised cost of \$42 million. SASEC Dhaka–Northwest Corridor Road Project (Phase 2) (tranche 2) moved forward to 2019 with a revised cost of \$400 million. The SASEC Chittagong Port Enhancement Project Phase 1 was dropped and the Dhaka Metro Line 5 Investment Project (Phase 1) (tranche 1) was deferred beyond 2022.

8. **Water and other urban infrastructure and services.** Two new projects were added: Innovative Project Financing Facility, and the Second Emergency Assistance Project. The Dhaka Environmentally Sustainable Water Supply Project was moved to 2022.

9. **Education and health.** Three new projects were added: Digital University Development Project, Technical Education Modernization Project, and Support for Health Care Improvement Project. The Innovations in Tertiary Education for Competitiveness (Information Technology) Project was renamed Improving Computer and Software Engineering Tertiary Education Project.

10. **Energy.** One new project was added: Improved Electricity Distribution Project. The Renewable Energy Project was moved to 2020, Southwest Distribution System Expansion Project to 2021, and Power Generation Project to 2022.

11. **Finance and public sector management.** Two new projects were added: Support to Bangladesh Infrastructure Finance Fund Limited Project, and additional financing for the Microenterprise Development Project. The Strengthening Governance Management Project (Phase 2) was renamed Strengthening Revenue Administration. The Third Public–Private Infrastructure Development Facility (tranche 2) moved to 2021 and the Small and Medium-Sized Enterprises Development Project moved to 2022.

12. **Agriculture, natural resources, and rural development.** One new project was added – Third Chittagong Hill Tracts Rural Development Project. The Ganges–Kobadak Irrigation Project moved to 2021; the Flood and Riverbank Erosion Risk Management Investment Program was dropped.

⁴ Includes overprogramming for OCR resources of about \$200 million above resources available for commitment.

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020-2022	Changes from Last COBP
1. Transport			
<p>More efficient transport infrastructure and connectivity</p> <p>Environmentally sustainable transport system</p> <p>Improved regional transport connectivity</p>	<p>Road and rail network expansion</p> <p>Railway capacity improvement</p> <p>Regional road and rail connectivity development</p> <p>Transport policies and institutional development</p> <p>Seaport development</p> <p>Sustainable urban public transport system</p>	<p>Amount: \$1,380 million (\$1,330 million from regular OCR and \$50 million from COL); cofinancing of \$200 million</p> <p>Share of the COBP envelope: 28.0%^b</p>	<p>No change from the last COBP.</p>
2. Water and Other Urban Infrastructure and Services			
<p>Improved urban infrastructure and services</p> <p>Enhanced climate and disaster resilience</p> <p>Increased women's participation in education and employment ^a</p>	<p>Water and sanitation infrastructure</p> <p>Urban flood protection</p> <p>Urban growth centers and infrastructure for economic development</p>	<p>Amount: \$885 million (\$280 million from regular OCR, \$605 million from COL); cofinancing of \$115 million</p> <p>Share of the COBP envelope: 17.9%^b</p>	<p>Enhanced climate and disaster resilience was added as a key development outcome.</p>
3. Education			
<p>Quality education, greater access to higher education, and employment skills</p> <p>Science and technology focused education promoted</p> <p>Increased women's participation in education and employment</p>	<p>Tertiary education in information technology</p> <p>Institutions for digital education</p> <p>Skills, technical and vocational education</p>	<p>Amount: \$790 million (COL)</p> <p>Share of the COBP envelope: 16.0%^b</p>	<p>Promotion of science and technology focused education was added as a key country development outcome.</p> <p>Primary, secondary and higher education were dropped as key areas of assistance as the focus shifts to tertiary education.</p> <p>New area on institutions for digital education was added as the focus on skills and</p>

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020-2022	Changes from Last COBP
			employment, especially for women, remains, with greater attention to information technology education.
4. Energy			
Higher availability and reliability of, and enhanced access to electricity	Electricity transmission, and distribution	Amount: \$750 million (\$665 million from regular OCR and \$85 million from COL); cofinancing of \$100 million	Energy generation was dropped as a key area and focus has shifted to improving access and quality of electricity as well as energy efficiency.
Improved regional energy connectivity	Energy efficiency and conservation		
Increased women's participation in education and employment ^a	Regional energy connectivity	Share of the COBP envelope: 15.2% ^b	Regional energy connectivity was also added as a key area.
	Renewable energy generation		
5. Finance			
More inclusive finance sector	Microenterprise development	Amount: \$536 million (\$500 million from regular OCR and \$36 million from COL)	Public-private partnership is a new key area of assistance with the addition of an infrastructure finance project.
Higher private investment	Public private partnership		
Increased women's participation in education and employment ^a		Share of the COBP envelope: 10.9% ^b	
6. Agriculture, Natural Resources and Rural Development			
Higher agricultural productivity and wages, and increased employment	Integrated water resources management and irrigation service delivery	Amount: \$393.5 million (\$50 million from regular OCR and \$343.5 million from COL); cofinancing of \$30 million	Key area on better-managed flood control and riverbank erosion mitigation was dropped and enhanced climate and disaster resilience was added as a key country development outcome to closely align with the operational priorities of Strategy 2030 and the government's Delta Action Plan 2100. ^c
Enhanced climate and disaster resilience	Rural infrastructure		
Increased women's participation in education and employment ^a	Agro-industry, marketing and trade	Share of the COBP envelope: 8.0% ^b	Rural flood protection was dropped as a key area.
7. Health			
Greater access to quality health care, especially for women	Improved and inclusive health care	Amount: \$150 million (COL)	Health has been added as a priority sector with the addition of a healthcare improvement project. Improved and inclusive health care was subsequently added as a key area of assistance.
		Share of the COBP envelope: 3.0% ^b .	

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2020-2022	Changes from Last COBP
8. Public Sector Management			
Improved public sector organizational efficiency Enhanced accountability and transparency in public sector and proper use of public resources	Revenue administration improvement	Amount: \$50 million (COL) Share of the COBP envelope: 1.0% ^b	Key area of assistance changed from land record digitization, online tax return submission to revenue administration improvement due to the change in scope and renaming of the Strengthening Governance Management Project (Phase 2) to Strengthening Revenue Administration Project.

ADB = Asian Development Bank, COBP = country operations business plan, COL = concessional OCR lending, OCR = ordinary capital resources.

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

^b Sector shares for the total pipeline, including standby projects, are: transport (37.0%); energy (18.2%); water supply and other urban services (17.9%); education (11.6%); finance (7.5%); agriculture, natural resources, and rural development (5.7%); health (1.5%); and public sector management (0.5%).

^c ADB. 2018. [Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific](#). Manila.

Source: Asian Development Bank estimates.

LIST OF LINKED DOCUMENTS

<http://www.adb.org/Documents/COBP/?id=BAN-2020>

1. Portfolio at a Glance: Bangladesh

INDICATIVE ASSISTANCE PIPELINE
Table A3.1: Lending Products, 2020–2022

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Operational Priority ^d	Division	Year of TRTA/PRF	Cost (\$ million)						
						Total ^e	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2020 Firm												
Climate Change and Disaster Resilience Small-Scale Water Resource Management	ANR	GI	OP1/OP3	SAER	2019	TBD	0.0	100	0.0	100.0	TBD	30.0
Irrigation Management Improvement Project (additional financing)	ANR	GI	OP1/OP3	SAER		TBD	0.0	13.5	0.0	13.5	TBD	0.0
Rural Connectivity Improvement Project (Phase 2)	ANR	GI	OP1/OP5	SAER		TBD	50.0	50.0	0.0	100.0	TBD	0.0
Improving Computer and Software Engineering Tertiary Education (previously Innovations in Tertiary Education for Competitiveness Project)	EDU	GI	OP1/OP2	SAHS	2018	TBD	0.0	100.0	0.0	100.0	TBD	0.0
Digital University Development Project	EDU	GI	OP1/OP2	SAHS	2019	TBD	0.0	190.0	0.0	190.0	TBD	0.0
Renewable Energy Project	ENE	GI	OP1/OP3	SAEN	2018	TBD	180.0	20.0	0.0	200.0	TBD	0.0
Energy Efficiency with Renewable Energy Project	ENE	GI	OP1/OP3/O P4	SAEN		TBD	85.0	65.0	0.0	150.0	TBD	0.0
Strengthening Revenue Administration (PBL)	PSM	GI	OP1/OP6			TBD	0.0	50.0	0.0	50.0	TBD	0.0
Support to Bangladesh Infrastructure Finance Fund Limited	FIN	GI	OP1	SAPF	2019	TBD	50.0	0.0	0.0	50.0	TBD	0.0
SASEC Tongi–Akhaura Dual Gauge Project (Phase 1)	TRA	GI	OP1/OP7	SATC	2019	TBD	200.0	0.0	0.0	200.0	TBD	200.0
SASEC Dhaka–Sylhet Corridor Road Project	TRA	TI-G	OP1/OP7	SATC		TBD	300.0	0.0	0.0	300.0	TBD	0.0
SASEC Trade Facilitation Sector Development Program (PBL+project loan)	TRA/R CI	GI	OP1/OP7	SARC	2019	TBD	100.0	50.0	0.0	150.0	TBD	0.0

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Operational Priority ^d	Division	Year of TRTA/PRF	Cost (\$ million)						
						Total ^e	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Innovative Project Financing Facility	WUS	GI	OP1/OP2	BRM	2019	TBD	0.0	110.0	0.0	110.0	TBD	0.0
Dhaka Integrated Water Supply Project (additional financing)	WUS	GI	OP1/OP4	SAUW		TBD	100.0	50.0	0.0	150.0	TBD	115.0
Second Emergency Assistance Project	WUS	GI	OP1/OP2	BRM	2018	TBD	0.0	100.0	0.0	100.0	TBD	0.0
Total						TBD	1,065.0	898.5	0.0	1,963.5	TBD	345.0
2020 Standby												
Third Chittagong Hill Tracts Rural Development Project	ANR	TI-G	OP1/OP2/O P5	SAER	2020	TBD	0.0	100.0	0.0	100.0	TBD	0.0
Rural Electrification Expansion Project	ENE	GI	OP1/OP5	SAEN		TBD	200.0	30.0	0.0	230.0	TBD	0.0
SASEC Gas Transmission and National Grid Expansion Project (formerly Liquefied Natural Gas and Gas Transmission Pipeline Project)	ENE	GI	OP1/OP7	SAEN	2019	TBD	250.0	0.0	0.0	250.0	TBD	0.0
SASEC Dhaka–South Corridor Road Project (Phase 1) (tranche 1)	TRA	GI	OP1/OP7	SATC		TBD	400.0	0.0	0.0	400.0	TBD	0.0
SASEC Dhaka–Northwest Corridor Road Project (Phase 3) (tranche 1)	TRA	TI-G	OP1/OP7	SATC		TBD	400.0	0.0	0.0	400.0	TBD	0.0
SASEC Chattogram Port Link Road Project	TRA	GI	OP1/OP7	SATC		TBD	150.0	0.0	0.0	150.0	TBD	0.0
SASEC Railway Connectivity Dhaka–Comilla Highspeed Train Project (tranche 1)	TRA	GI	OP1/OP7	SATC		TBD	300.0	0.0	0.0	300.0	TBD	0.0
Total						TBD	1,700.0	130.0	0.0	1,830.0	TBD	0.0
2021 Firm												
Ganges–Kobadak Irrigation Project	ANR	GI	OP1/OP3	SAER	2016	TBD	0.0	180.0	0.0	180.0	TBD	0.0

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Operational Priority ^d	Division	Year of TRTA/PRF	Cost (\$ million)						
						Total ^e	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Second Skills for Employment Program (RBL)	EDU	GI	OP1/OP2	SAHS		TBD	0.0	300.0	0.0	300.0	TBD	0.0
Southwest Distribution System Expansion Project	ENE	GI	OP1/OP4	SAEN	2020	TBD	200.0	0.0	0.0	200.0	TBD	0.0
Third Public–Private Infrastructure Development Facility (tranche 2)	FIN	GI	OP1	SAPF		TBD	250.0	16.0	0.0	266.0	TBD	0.0
Microenterprise Development Project (additional financing)	FIN	GI	OP1/OP2	SAPF	2019	TBD	50.0	0.0	0.0	50.0	TBD	0.0
SASEC Dhaka–Northwest Corridor Road Project (Phase 2) (tranche 3)	TRA	TI-G	OP1/OP7	SATC		TBD	330.0	0.0	0.0	330.0	TBD	0.0
Preparing Urban Infrastructure Projects (PRF) ^e	WUS	TI-G	OP1/OP4	SAUW		TBD	0.0	15.0	0.0	15.0	TBD	0.0
Khulna Sewerage System Development Project	WUS	TI-G	OP1/OP4	SAUW	2018	TBD	50.0	100.0	0.0	150.0	TBD	0.0
Total						TBD	880.0	611.0	0.0	1,491.0	TBD	0.0
2021 Standby												
Market and Value Chain Infrastructure Development Project	ANR	GI	OP1/OP5	SAER		TBD	70.0	0.0	0.0	70.0	TBD	0.0
Innovations in Tertiary Education for Competitiveness (Advanced Agriculture) Project	EDU	GI	OP1/OP2/OP5	SAHS	2020	TBD	0.0	150.0	0.0	150.0	TBD	0.0
Electricity Transmission Project 1	ENE	GI	OP1/OP4	SAEN	2020	TBD	150.0	0.0	0.0	150.0	TBD	150.0
Green Infrastructure Bonds	FIN	GI	OP1/OP3	SAPF	2021	TBD	100.0	0.0	0.0	100.0	TBD	0.0
Strengthening of the Banking Sector	FIN	GI	OP1/OP6	SAPF		TBD	100.0	0.0	0.0	100.0	TBD	0.0
SASEC Laksam–Chattogram Dual Gauge Railway Project	TRA	GI	OP1/OP7	SATC		TBD	200.0	0.0	0.0	200.0	TBD	200.0

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Operational Priority ^d	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total ^e	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
SASEC Chittagong–Cox's Bazar Railway Project (Phase 1) (tranche 3)	TRA	GI	OP1/OP7	SATC		TBD	500.0	0.0	0.0	500.0	TBD	0.0
Dhaka-Chattogram Expressway Investment Program (tranche 1)	TRA	GI	OP1/OP7	SATC		TBD	300.0	0.0	0.0	300.0	TBD	0.0
Secondary Towns Water Supply and Sanitation Project	WUS	TI-G	OP1/OP4/O P2	SAUW	2019	TBD	50.0	100.0	0.0	150.0	TBD	0.0
Total						TBD	1,470.0	250.0	0.0	1,720.0	TBD	350.0
2022 Firm												
Supporting Education for Children with Special Needs	EDU	GI	OP1/OP2	SAHS	2021	TBD	0.0	100.0	0.0	100.0	TBD	0.0
Innovations in Tertiary Education for Competitiveness (Garments and Textiles) Project	EDU	GI	OP1/OP2	SAHS		TBD	0.0	100.0	0.0	100.0	TBD	0.0
Support for Health Care Improvement Project	EDU	GI	OP1/OP2	SAHS	2021	TBD	0.0	150.0	0.0	150.0	TBD	0.0
Improved Electricity Distribution Project	ENE	GI	OP1/OP4	SAEN	2020	TBD	200.0	0.0	0.0	200.0	TBD	100.0
Southwest Region Small and Medium-Sized Enterprises Development Facility	FIN	GI	OP1/OP2	SAPF		TBD	150.0	20.0	0.0	170.0	TBD	0.0
Development of Inland Container Depot	TRA	GI	OP1/OP7	SATC		TBD	100.0	0.0	0.0	100.0	TBD	0.0
SASEC Dhaka–Northwest Corridor Road Project (Phase 4) (tranche 1)	TRA	TI-G	OP1/OP7	SATC		TBD	300.0	0.0	0.0	300.0	TBD	0.0
Second Coastal Towns Environmental Infrastructure Improvement Project	WUS	TI-G	OP1/OP4/O P3	SAUW		TBD	50.0	150.0	0.0	200.0	TBD	0.0
Naryanganj Urban Development Project	WUS	TI-G	OP1/OP4	SAUW		TBD	80.0	80.0	0.0	160.0	TBD	0.0
Total						TBD	880.0	600.0	0.0	1,480.0	TBD	100.0

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Operational Priority ^d	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total ^e	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2022 Standby												
Technical Education Modernization Project	EDU	GI	OP1/OP2	SAHS	2020	TBD	0.0	200.0	0.0	200.0	TBD	0.0
Power Generation Project	ENE	GI	OP1/OP4	SAEN	2022	TBD	200.0	0.0	0.0	200.0	TBD	0.0
Second Electricity Transmission Project	ENE	GI	OP1/OP4	SAEN	2020	TBD	200.0	0.0	0.0	200.0	TBD	200.0
Integrated Urban Development Project (building upon Urban Governance and Infrastructure Improvement Project model)	WUS	TI-G	OP1/OP4	SAUW		TBD	100.0	50.0	0.0	150.0	TBD	0.0
Dhaka Sewerage System Development Project	WUS	TI-G	OP1/OP4	SAUW		TBD	300.0	0.0	0.0	300.0	TBD	0.0
Second Dhaka Integrated Water Supply Project	WUS	TI-G	OP1/OP4	SAUW		TBD	100.0	20.0	0.0	120.0	TBD	0.0
Third City Region Development Project	WUS	TI-G	OP1/OP4	SAUW		TBD	100.0	50.0	0.0	150.0	TBD	0.0
Total						TBD	1,000.0	320.0	0.0	1,320.0	TBD	200.0

ADB = Asian Development Bank; ADF = Asian Development Fund; BRM = Bangladesh Resident Mission; COL = concessional OCR lending; Gov't = government; OCR = ordinary capital resources; PBL = policy-based lending; PRF = project readiness financing; RBL = results-based lending; 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; TBD = to be determined; TRTA = transaction technical assistance.

^a Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change.

^b Lists all sectors supported by the project: ANR = agriculture, natural resources, and rural development; EDU = education; ENE = energy; FIN = finance; PSM = public sector management; RCI = regional cooperation and integration; TRA = transport; and WUS = water supply and other urban infrastructure and services.

^c GI = general intervention and TI-G = targeted intervention—geographic dimensions of inclusive growth.

^d Lists the applicable priority area: OP1 = addressing remaining poverty and reducing inequalities; OP2 = accelerating progress in gender equality; OP3 = tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability; OP4 = making cities more livable; OP5 = promoting rural development and food security; OP6 = strengthening governance and institutional capacity; and OP7 = fostering regional cooperation and integration.

^e The PRF will be refinanced by the ensuing COL for urban infrastructure projects after 2022.

Source: Asian Development Bank estimates.

Table A3.2: Nonlending Products and Services, 2020–2022

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2020								
Preparing Third Chittagong Hill Tracts Rural Development	ANR	SAER	TRTA	TASF	500.0	0.0	500.0	
Preparing Technical Education Modernization Project	EDU	SAHS	TRTA	TASF	800.0	0.0	800.0	
Improving Secondary Education Sector Management (supplementary)	EDU	SAHS	TRTA	TASF	500.0	0.0	500.0	
Preparing Power Transmission Project	ENE	SAEN	TRTA	TASF	1,000.0	0.0	1,000.0	
Preparing the Improved Electricity Distribution Project	ENE	SAEN	TRTA	TASF	1,000.0	0.0	1,000.0	
Capacity Development in Infrastructure Development Company Limited	FIN	SAPF	KSTA	TASF	500.0	0.0	500.0	
Water Quality Improvement in Dhaka Watershed	WUS	BRM	TRTA	TASF	500.0	0.0	500.0	
Safeguard Monitoring for Metro Project	TRA	SATC	TRTA	TASF	1,000.0	0.0	1,000.0	
Project Results Enhancement Facility (supplementary)		BRM	KSTA	TASF	1,500.0	0.0	1,500.0	
Business Process Reengineering for the Government of Bangladesh	PSM	BRM	TRTA	TASF	500.0	0.0	500.0	
Total					7,800.0	0.0	7,800.0	
2021								
Preparing for Health Care Improvement Project	EDU	SAHS	TRTA	TASF	500.0	0.0	500.0	
Preparing for Education for Children with Special Needs Project	EDU	SAHS	TRTA	TASF	500.0	0.0	500.0	
Improving Government Efficiency with Advanced Technology	FIN	SAPF	KSTA	TASF	500.0	0.0	500.0	
Support to Green Infrastructure Bond	FIN	SAPF	TRTA	TASF	1,000.0	0.0	1,000.0	
Support to Safety Improvement of Railway Crossing	TRA	SATC	TRTA	TASF	1,000.0	0.0	1,000.0	
Support to High Technology Application Study in Transport Sector	TRA	SATC	TRTA	TASF	1,000.0	0.0	1,000.0	
Safeguard Monitoring for Metro Project	TRA	SATC	TRYA	TASF	1,000.0	0.0	1,000.0	
Support for Secondary Towns Water and Sanitation Project	WUS	SAUW	TRTA	TASF	500.0	0.0	500.0	
Support for Khulna Water Supply and Sewerage Authority	WUS	SAUW	TRTA	TASF	500.0	0.0	500.0	

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Promoting Knowledge-Oriented Development		BRM	KSTA	TASF	1,500.0	TBD	500.0	2,000.0
Total 2022					8,000.0		500.0	8,500.0
Support to Urban Primary Health Program	EDU	SAHS	TRTA	TASF	500.0		0.0	500.0
Support to Tertiary Education Program	EDU	SAHS	TRTA	TASF	500.0	JFPR	1,500.0	2,000.0
Preparing Power Generation Project	ENE	SAEN	TRTA	TASF	1,000.0		0.0	1,000.0
Climate Change and Improving Disaster Resilience	WUS	BRM	KSTA	TASF	500.0		1,500.0	2,000.0
Spreading Equitable Development in the Countryside	ANR	BRM	TRTA	TASF	1,000.0		0.0	1,000.0
Improving Portfolio Performance	PSM	BRM	KSTA	TASF	1,500.0		0.0	1,500.0
Total					5,000.0		3,000.0	8,000.0

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BRM = Bangladesh Resident Mission; EDU = education; ENE = energy; FIN = finance; JFPR= Japan Fund for Poverty Reduction; KSTA = knowledge and support 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; TASF = Technical Assistance Special Fund; TBD = to be determined; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Source: Asian Development Bank estimates

ASSISTANCE PROGRAM FOR CURRENT YEAR

Table A4.1: Lending Products, 2019

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Priority Area ^d	Division	Year of TRTA/PRF	Cost (\$ million)						
						Total	ADB			Total	Gov't	Co-finance
							Regular OCR	COL	ADF Grants			
2019 Firm												
SASEC Third Bangladesh India Grid Interconnection Project	ENE	GI	OP1/OP7/O P4	SAEN	2017	181.0	66.0	60.0	0.0	126.0	55.0	0.0
Dhaka and Western Zone Transmission Grid Expansion Project	ENE	GI	OP1/OP4	SAEN	2018	730.0	300.0	0.0	0.0	300.0	229.3	200.7
Rural Connectivity Improvement Project	ANR	GI	OP1/OP5	SAER	2018	285.3	100.0	100.0	0.0	200.0	85.3	0.0
Skills for Employment Investment Program (tranche 3)	EDU	GI	OP1/OP2	SAHS	2015	187.5	0.0	150.0	0.0	150.0	37.5	0.0
Microenterprise Development Project	FIN	GI	OP1/OP2	SAPF	2018	62.5	50.0	0.0	0.0	50.0	12.5	0.0
SASEC Chittagong–Cox's Bazar Railway Project (Phase 1) (tranche 2)	TRA	GI	OP1/OP7	SATC		450.0	400.0	0.0	0.0	400.0	50.0	0.0
SASEC Dhaka-Northwest Corridor Project (Phase 2) (tranche 2)	TRA	TI-G	OP1/OP7	SATC		500.0	400.0	0.0	0.0	400.0	100.0	0.0
Transport Connectivity Improvement Preparatory Facility	TRA	GI	OP1	SATC		49.0	0.0	42.0	0.0	42.0	7.0	0.0
Dhaka Metro Line 5 (South) Project Readiness Facility	TRA	GI	OP1/OP4	SATC		44.6	0.0	33.3	0.0	33.3	11.3	0.0
Second City Region Development Project	WUS	TI-G	OP1/OP4	SAUW	2016	218.0	75.0	70.0	0.0	145.0	73.0	0.0
Urban Infrastructure Improvement Project Readiness Facility	WUS	TI-G	OP1/OP4	SAUW	2017	17.2	0.0	11.0	0.0	11.0	6.2	0.0
Total						2,725.1	1,391.0	466.3	0.0	1,857.3	667.1	200.7

Project/Program Name ^a	Sector ^b	Poverty Targeting ^c	Priority Area ^d	Division	Year of TRTA/PRF	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Standby												
Improving Computer and Software Engineering Tertiary Education Project	EDU	GI	OP1/OP2	SAHS	2018	130.0	0.0	100.0	0.0	100.0	30.0	0.0
Strengthening Bangladesh Infrastructure Finance Fund Limited	FIN	GI	OP1	SAPF	2019	50.0	50.0	0.0	0.0	50.0	0.0	0.0
Total						180.0	50.0	100.0	0.0	150.0	30.0	0.0

ADB = Asian Development Bank; ADF = Asian Development Fund; COL = concessional OCR lending; Gov't = government; OCR = ordinary capital resources; PRF = project readiness financing; SAEN = South Asia Energy Division; SAER = South Asia Environment, Natural Resources, and Agriculture Division; SAHS = South Asia Human and Social Development Division; SAPF = 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; TRA = transport; TRTA = transaction technical assistance.

^a Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change. The lending program includes ADF grants. Investment lending accounted for 89.6% of sovereign lending commitments in 2016–2018, while conventional policy-based lending was 0% and results-based lending was 10.4%.

^b Lists all sectors supported by the project: ANR = agriculture, natural resources, and rural development; EDU = education; ENE = energy; FIN = finance; TRA = transport; and WUS = water and other urban infrastructure and services

^c GI = general intervention and TI-G = targeted intervention—geographic dimensions of inclusive growth.

^d Lists the applicable priority area: OP1 = addressing remaining poverty and reducing inequalities; OP2 = accelerating progress in gender equality; OP4 = making cities more livable; OP5 = promoting rural development and food security; and OP7 = fostering regional cooperation and integration.

Source: Asian Development Bank estimates.

Table A4.2: Nonlending Products and Services, 2019

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Support to Quality Enhancement in Primary Education	EDU	SAHS	TRTA	TASF	0.0	JFPR	1,200.0	1,200.0
Support to Innovations in Tertiary Education for Competitiveness	EDU	SAHS	TRTA	TASF	1,500.0		0.0	1,500.0
Capacity Building of Management in Education and Skills Programs	EDU	SAHS	TRTA	TASF	300.0		0.0	300.0
Preparing the SASEC Gas Transmission and National Grid Expansion Project	ENE	SAEN	TRTA	TASF	1,000.0		0.0	1,000.0
Climate- and Disaster-Resilient Small-Scale Water Resources Management Project	ENE	SAEN	TRTA	TASF	500.0		0.0	500.0
SASEC Third Bangladesh India Grid Interconnection Project	ENE	SAEN	TRTA	TASF	225.0		0.0	225.0
Capacity Development in Bangladesh Infrastructure Finance Fund Limited	FIN	SAPF	KSTA	TASF	500.0		0.0	500.0
Capacity Development for Microenterprise Finance	FIN	SAPF	KSTA	TASF	0.0	FSDPSF	500.0	500.0
Preparing SASEC Integrated Trade Facilitation Program	IND/RCI	SARC	TRTA	TASF	700.0		0.0	700.0
Railway Rolling Stock Operations Improvement Project	TRA	SATC	TRTA	TASF	0.0	ACEF/CEFPF	500.0	500.0
Institutionalizing Gender Equality Practices in the Local Government Engineering Department	WUS	BRM	KSTA	TASF	0.0	JFPR	2,000.0	2,000.0
Preparing the Innovative Project Financing Facility	WUS	BRM	TRTA	TASF	1,000.0		0.0	1,000.0
Project Results Enhancement Facility	FIN	BRM	KSTA	TASF	1,000.0		0.0	1,000.0
Total					6,725.0		4,200.0	10,925.0

ADB = Asian Development Bank; ACEF = Asia Clean Energy Forum; BRM = Bangladesh Resident Mission; CEFPF = Clean Energy Financing Partnership Facility; EDU = education; ENE = energy; FIN = finance; FSDPSF = Financial Sector Development Partnership Special Fund; IND = industry and trade; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; RCI = regional cooperation and integration; SAEN = South Asia Energy Division; SAHS = South Asia Human and Social Development Division; SAPF = South Asia Public Management, Financial Sector, and Trade Division; SARC = South Asia Regional Cooperation and Operations Coordination Division; SASEC = South Asia Subregional Economic Cooperation; SATC = South Asia Transport and Communications Division; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Source: Asian Development Bank estimates.

INDICATIVE KNOWLEDGE PRODUCTS AND EVENTS

Table A5.1: Knowledge Products and Events for 2020

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Asian Development Outlook 2020	Economics	Publication or documentation	ERCD	
Asian Development Outlook 2020 Update	Economics	Publication or documentation	ERCD	
Asian Development Outlook 2020 Supplement	Economics	Publication or documentation	ERCD	
Bangladesh Economic Indicators Update (six issues)	Economics	Database	SARD	
Asian Development Bank and Bangladesh: Fact Sheet 2019	Economics and governance	Publication or documentation	DOC, SARD	
Impact Evaluation of the Skills for Employment Program in Bangladesh	Education	Publication or documentation	SARD	
Forward Looking Facilities in Asia and the Pacific (working paper)	Health	Publication or documentation	SDCC, Health	
Asian Economic Integration Report 2020	Economics and regional cooperation and integration	Publication or documentation	ERCD	
Key Indicators for Asian and the Pacific 2020	Economics	Publication or documentation	ERCD	TA 9659
Urban Governance in South Asia	Urban development	Publication or documentation	SARD	
Toward Inclusive Sanitation in South Asia: Status, Best Practices, and Lessons Learned	Urban development	Publication or documentation	SARD	
Country Assistance Program Evaluation for Bangladesh	Governance	Publication or documentation	IED	
Experience of Information and Communication Technology Pilot School in Secondary Education Sector Improvement Project	Education, and information and communication technology	Publication or documentation	SARD	
Bangladesh Economic Corridor Development Comprehensive Development Plan	Economics	Publication or documentation	SARD	TA 9602
2017 International Comparison Program in Asia and the Pacific: Main Report	Governance and public sector management	Publication or documentation	ERCD	TA 7507
Media Launch and Dissemination of the Asian Development Outlook 2020	Economics	Event organization	ERCD	

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Media Launch and Dissemination of the Asian Economic Integration Report 2020	Economics and regional cooperation and integration	Event organization	ERCD	
Subregional Conference on Strategies for Smart, Safe, and Equitable Cities in South Asia	Gender	Event organization	SARD	TA 8311
Total number of publications = 15				
Total number of events = 3				

DOC = Department of Communications, ERCD = Economic Research and Regional Cooperation Department, IED = Independent Evaluation Department, SARD = South Asia Department, SDCC = Sustainable Development and Climate Change Department, TA = technical assistance.

Source: Asian Development Bank.

Table A5.2: Additional Knowledge Products and Events Delivered in 2019

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
South Asia Subregional Economic Cooperation Operational Plan Update	Regional cooperation and integration	Publication or documentation	SARD	TA 9231
South Asia Climate Report	Climate change	Publication or documentation	SARD	
Financing Social Security in South Asia	Economics	Publication or documentation	ERCD	
Climate Change Litigation Benchbook	Climate change	Publication or documentation	OGC	TA 9279
Maritime Cooperation in South Asia Subregional Economic Cooperation	Regional cooperation and integration	Publication or documentation	SARD	TA 9231
The Economic Effects of Participating in Global Value Chains: Country and Sector Level Analysis	Economics	Publication or documentation	ERCD	TA 8779
Evolution of the Economies of Selected Developing Member Countries: A Study Based on Input–Output Economic Analysis Framework	Economics	Publication or documentation	ERCD	TA 8838
Long-Term Impact of Female Secondary Stipend Program in Bangladesh	Education, gender	Publication or documentation	SARD	
Asian Economic Integration Report 2019	Economics and regional cooperation and integration	Publication or documentation	ERCD	
Determinants of International Remittance Inflows in Middle-Income Countries in Asia and the Pacific	Economics	Publication or documentation	ADB I	
Study on Coordinated Development of Border Infrastructure in Bangladesh–India Land Customs Stations	Regional cooperation and integration	Publication or documentation	SARD	TA 9231
Building a Road Map for Coordinated Border Infrastructure Development	Regional cooperation and integration	Publication or documentation	SARD	TA 9231
Exploring Strategies for Planned Urban Cluster Development in South Asia	Urban development	Publication or documentation	SARD	TA 7997
Improving Subnational Government Development Finance in Emerging and Developing Economies: Toward a Strategic Approach	Finance and governance and public sector management	Publication or documentation	ADB I	

Title of Publication or Event	Subject^a	Type^b	Department or Sector Group or Thematic Group^c	Funding Source^d
An Empirical Evaluation of Monetary and Fiscal Policy Effects of Bangladesh	Economics	Publication or documentation	SARD	
Mitigating and Managing Nonperforming Loans in Bangladesh	Economics	Publication or documentation	SARD	
Harnessing Blockchain Technology for Development	Information and communication technology	Capacity development	SARD	TA 9602
Conference on Inclusive Community Energy Resilience in Bangladesh	Energy and gender	Capacity development	SARD	
Improving Business Climate in Bangladesh	Private sector	Capacity development	SARD	TA 9602
Seminar on Impact of Emerging International Trade Relation in Bangladesh	Economics	Capacity development	SARD	TA 9602
Seminar on Spreading Equitable Development in the Countryside	Economics	Capacity development	SARD	TA 9602
Regional Seminar on Financial Literacy and Investor Protection	Finance	Capacity development	SARD	L3318, L3319
Total number of publications = 16				
Total number of events = 6				

ADB I = Asian Development Bank Institute, ERCD = Economic Research and Regional Cooperation Department, OGC = Office of the General Counsel, SARD = South Asia Department, TA = technical assistance.

Source: Asian Development Bank.

Table A5.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2020

Item	Nature	Project Number	Sector or Theme	Division
Omni processor for integrated solid waste management	TCH	G582	WUS	BRM
Lightening arrestors	TCH	G582	WUS	BRM
Energy-efficient locomotives	TCH	L3645, L3646	TRA	SATC
Highly efficient conductor for electricity transmission line	TCH	L3663	ENE	SAEN
Zero liquid discharge wastewater technology	TCH	L3676	ENE	SAEN
Combined cycle power plant technology	TCH	L3676	ENE	SAEN
Use of solar irrigation	TCH	L2769	ENE	BRM
Total number of innovation, advanced technology, and pilot initiatives = 7				

BRM = Bangladesh Resident Mission, ENE = energy, SAEN = South Asia Energy Division, SATC = South Asia Transport and Communications Division, TCH = advanced technology, TRA = transport, WUS = water and other urban infrastructure and services.

Source: Asian Development Bank.