



Country Operations Business Plan

December 2018

Pakistan
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 14 November 2018)

Currency unit	–	Pakistan rupee/s (PRe/PRs)
PRe1.00	=	\$0.0075
\$1.00	=	PRs133.97

ABBREVIATIONS

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

NOTES

- (i) The fiscal year (FY) of the Government of Pakistan ends on 30 June.
- (ii) In this report, “\$” refers to United States dollars.

Vice-President	Wencai Zhang, Operations 1
Director General	Werner Liepach, Central and West Asia Department (CWRD)
Country Director	Xiaohong Yang, Pakistan Resident Mission (PRM), CWRD
Team leader	Nasruminallah Mian, Senior Programs Officer, PRM, CWRD
Team members	Khadija Ali, Associate Operations Analyst, PRM, CWRD Farzana Noshab, Senior Economics Officer, PRM, CWRD Guntur Sugiyarto, Principal Economist, PRM, CWRD

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

CONTENTS

	Page
I. CONSISTENCY OF THE BUSINESS PLAN WITH THE COUNTRY PARTNERSHIP STRATEGY	1
II. INDICATIVE RESOURCE PARAMETERS	1
III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS	2
APPENDIXES	
1. Country Assistance Results Areas	3
2. Indicative Assistance Pipeline	5
3. Assistance Program for Current Year	9
4. Indicative Knowledge Publications and Events	11

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

1. The country operations business plan (COBP), 2019–2021 of the Asian Development Bank (ADB) for Pakistan is aligned with ADB’s country partnership strategy (CPS), 2015–2019 for Pakistan,¹ the priorities of ADB’s Strategy 2030,² and the Government’s development strategy “Pakistan Vision 2025.”³

2. Following general elections, a new government came into power in August 2018. The new government is in the process of establishing its development priorities. ADB is in close dialogue with the government. Going forward, ADB’s proposed assistance pipeline for Pakistan may need to be further adjusted, particularly for 2020 and 2021. Updates to the pipeline will be reflected in the new COBP in 2019.

3. The COBP, 2019–2021 comprises project loans, results-based lending, and policy-based loans for policy reforms.⁴ ADB seeks opportunities for cofinancing and mobilizing private financing for public–private partnership (PPP) projects. The pipeline includes project readiness financing, a new ADB’s financing modality intended to efficiently design and deliver projects. Sectors supported include irrigation and water resource management; education; health; energy sector development reforms; trade, competitiveness and financial sector development; transport sector development; and urban and cities development.

4. ADB’s nonsovereign operations will continue to focus on energy security to increase electricity supply. ADB will continue to facilitate trade finance; introduce supply chain finance; and seek opportunities to support demonstrative projects in mining, agribusiness and social development, as well as strengthen private sector financial institutions. Private sector operations will create synergy with ADB’s public sector assistance, including through PPPs in energy and transport sectors.

II. INDICATIVE RESOURCE PARAMETERS

5. Pakistan, a group B developing member country, is eligible for regular ordinary capital resources (OCR) lending and concessional OCR lending (COL). The indicative resources available during 2019–2021 for sovereign operations amount to \$5,712.1 million, comprising \$4,290.0 million for regular OCR lending and \$1,422.1 million for COL.⁵ The final allocation will depend on available resources, project readiness, project performance and debt distress rating of the country among others. ADB’s nonsovereign operations will supplement these resources. ADB will also explore cofinancing from other sources and seek financing from the regional pool under concessional resources and regular OCR for regional cooperation and integration.

6. The proposed sovereign lending program for 2019–2021 is \$7,528 million, consisting of \$5,370 million from regular OCR lending and \$2,158 million from COL. COL includes a carryover

¹ ADB. 2015. *Country Partnership Strategy: Pakistan, 2015–2019*. Manila.

² ADB. 2018. *Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

³ Government of Pakistan, Planning Commission. 2014. *Pakistan 2025—One Nation, One Vision*. Islamabad. <http://pakistan2025.org/>.

⁴ Based on concurrence from the Government in principle and active engagement for further consultation as per new Government’s priorities.

⁵ ADB (Strategy, Policy and Review Department). 2018. *Indicative Resources Available for Commitment in 2018 and Projected Commitments during 2019–2021*. Memorandum. March 2018 (internal).

of \$600 million from 2018. The nonlending program for 2019–2021 is \$21.7 million, including transaction technical assistance for various pipeline projects.

7. The updated country assistance results areas are in Appendix 1; the lending and nonlending indicative pipeline, 2019–2021, in Appendix 2; the lending and nonlending program for the current year, 2018, in Appendix 3; and a list of indicative knowledge products and events for 2019 in Appendix 4.

III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

8. **Energy.** \$2,245 million in ADB loan financing is allocated for the energy sector, which is 29.8% of the total pipeline for 2019–2021. The pipeline includes a multitranche financing facility for Transmission Strengthening (tranche 1) for National Transmission and Despatch Company (NTDC), Hydropower Development Project for Water and Power Development Authority (WAPDA), and support for the Turkmenistan-Afghanistan-Pakistan-India Gas Pipeline Project.

9. **Transport.** \$1,394 million of ADB loan financing for the sector (18.5% of the total pipeline) is allocated for the transport sector. The pipeline includes the Sustainable National Highway Project and the Sindh Hyderabad Southern Bypass Project. ADB also proposes support for the revitalization of Pakistan Railways to improve transport sector sustainability, including exploring nonconventional financing arrangements.

10. **Agriculture, natural resources, and rural development.** ADB has allocated \$794 million in loan financing to the sector (10.6% of the total pipeline). The pipeline includes the Greater Thal Canal Irrigation Project, the Kurram Tangi Water Resources Project, and the Smaller Cholistan Water Resources Development Project.

11. **Water and other urban infrastructure and services.** \$470 million in ADB loan financing has been allocated to the sector (6.2% of the total pipeline). The pipeline includes a cross-sector project readiness facility for Punjab and the Punjab Cities Improvement Project.

12. **Finance and public sector management.** ADB has allocated \$2,400 million in loan financing to the finance and public sector management sectors (31.9% of the total pipeline). The COBP, 2019–2021, includes new projects: Trade and Competitiveness Program (Subprogram 1) in 2019; Financial Markets Development in 2020; Infrastructure Financing and PPPs in 2021; as well as the second phase of Support for the Benazir Income Support Program in 2020.

13. **Education and Health.** The education and health sectors pipeline includes \$225 million in loan financing (3.0% of the total pipeline). ADB's reengagement in education and health sectors includes \$175 million for projects on secondary education in Sindh and improving workforce readiness and skills development in Punjab, and \$50 million project to improve quality of health care services in Khyber Pakhtunkhwa (KP).

14. **Technical assistance.** ADB will provide TA across sectors to help project implementation and to generate and disseminate knowledge products to support policy and project development, as well as to enhance project quality and readiness.

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2019–2021	Changes from Last COBP
1. Energy			
Reliable and affordable energy services through the development of domestic energy resources (hydropower, renewable energy, coal, and gas), and transmission and distribution networks	<p>Hydropower and other power generation</p> <p>Energy efficiency and strengthened transmission and distribution</p> <p>Enhanced enabling environment for private sector investment in the energy sector with policy and regulation reforms</p>	<p>Amount: \$2,245 million and \$290.0 million (cofinancing)</p> <p>Share of COBP envelope: 29.8%</p>	ADB's resource allocation has increased from \$1.7 billion to \$2.2 billion.
2. Transport			
Increased movement of people and goods within Pakistan in a more efficient, safe, and sustainable manner	<p>Roads, road safety, and asset management</p> <p>Border services improvement</p> <p>Urban transport</p> <p>Railway rehabilitation and regional connectivity</p>	<p>Amount: \$1,394 million and \$100.0 million (cofinancing)</p> <p>Share of COBP envelope: 18.5%</p>	ADB's resource allocation has decreased from \$1.8 billion to \$1.4 billion.
3. Agriculture, natural resources, and rural development			
Increased agriculture production for consumption and trade	<p>Newly constructed and improved irrigation canals and appurtenant structures</p> <p>Irrigation reforms and capacity building</p> <p>Climate-resilient water resources and environmental water management</p>	<p>Amount: \$794 million and \$530 million (cofinancing)</p> <p>Share of COBP envelope: 10.6%</p>	ADB's resource allocation has decreased from \$1.1 billion to \$794 million.
4. Water and other urban infrastructure and services			
Higher quality of life of urban residents	<p>Urban planning, policies, and institutional reforms</p> <p>Sustainable bus rapid transits and intermediate cities development</p> <p>Water and sanitation infrastructure</p> <p>Increased private sector participation</p>	<p>Amount: \$470 million and \$300 million (cofinancing)</p> <p>Share of COBP envelope: 6.2%</p>	ADB's resource allocation has increased from \$168 million to \$470 million.

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2019–2021	Changes from Last COBP
5. Public sector management			
Increased fiscal and debt sustainability including to increase the resilience of women, the poor, and vulnerable groups	Reforms of public sector enterprises Support for public–private partnerships Support for foreign trade and investment, EXIM (Export-Import) Bank of Pakistan Support for the Benazir Income Support Program Phase 2	Amount: \$1,200 million Share of COBP envelope: 15.9%	ADB's resource allocation has increased from \$800 million to \$1,200 million.
6. Finance			
Increased and more effective financial access for agriculture and SMEs with a focus on women and other underserved segments Increased private sector participation in infrastructure investment Reduced socioeconomic and fiscal vulnerability to natural hazards	Money and financial markets, infrastructure finance, SME finance, inclusive finance, capacity building, and institutional strengthening Disaster risk management	Amount: \$1,200 million and \$50 million (cofinancing) Share of COBP envelope: 15.9%	ADB's resource allocation has increased from \$1,100 million to \$1,200 million.
7. Education			
Better education and youth employment outcomes in line with the Sustainable Development Goals on quality education, good jobs, and economic growth	Secondary education system Support for competencies and skills essential for youth employability	Amount: \$175 million Share of COBP envelope: 2.2%	ADB's resource allocation remains unchanged at \$250 million, including \$175 million firm and \$75 million standby.
8. Health			
Better health outcomes in line with the Sustainable Development Goals on access to quality essential health care	Access to quality primary and secondary health care services	Amount: \$50 million Share of COBP envelope: 0.7%	ADB's resource allocation remains largely unchanged at \$100 million including \$50 million firm and \$50million standby.

ADB = Asian Development Bank, COBP = country operations business plan, SMEs = small and medium-sized enterprises.

Source: ADB estimates.

INDICATIVE ASSISTANCE PIPELINE
Table A2.1: Lending Products, 2019–2021

Project/Program Name ^a	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												
Greater Thal Canal Irrigation Project	ANR	TI-G	IEG, ESG, PAR	CWER	2017	TBD	200.0	0.0	0.0	200.0	150.0	TBD
Trimmu and Panjnad Barrages Improvement Project (Additional Financing)	ANR	TI-G	IEG, ESG	CWER	2017	34.0	29.0	0.0	0.0	29.0	5.0	0.0
Kurram Tangi Water Resources Project (PRF)	ANR	TI-G	IEG, ESG	CWER	2019	5.0	5.0	0.0	0.0	5.0	0.0	0.0
Punjab Water Resources Management Project (PRF)	ANR	TI-G	IEG, ESG	CWER	2017	TBD	10.0	0.0	0.0	10.0	TBD	0.0
Sindh Education Sector Improvement Project	EDU	TI-G	IEG, GCD, GEM	CWSS	2017	TBD	0.0	75.0	0.0	75.0	TBD	TBD
Hydropower Development Investment Program (Tranche 1, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	2016	TBD	350.0	0.0	0.0	350.0	TBD	190.0 ^b
Second Power Transmission Enhancement Investment Program (Tranche 4, MFF)	ENE	GI	GCD, IEG	CWEN	2014	195.0	145.0	0.0	0.0	145.0	50.0	0.0
Energy Program, Subprogram 1 (PBL)	ENE	GI	GCD, IEG	CWEN	2017	TBD	0.0	300.0	0.0	300.0	TBD	TBD
Trade and Competitiveness Program, Subprogram 1 (PBL)	PSM	GI	IEG, GCD, PSD	CWPF	2018	500.0	0.0	500.0	0.0	500.0	0.0	0.0
Sustainable National Highway Improvement Project	TRA	GI	IEG, RCI	CWTC	2017	TBD	261.0	33.0	0.0	294.0	44.0	TBD
Karachi Sustainable Bus Rapid Transit Project	TRA	GI	IEG, GEM, PAR	CWUW	2013	520.0	390.0	0.0	0.0	390.0	30.0	100.0
KP Intermediate Cities Improvement Project	WUS	GI	IEG, GEM, PAR	CWUW	2017	250.0	120.0	0.0	0.0	120.0	30.0	100.0 ^b
Punjab Provincial Projects Readiness Facility (PRF)	WUS	GI	IEG, GEM	CWUW	NA	50.0	50.0	0.0	0.0	50.0	0.0	0.0
Total						TBD	1,560.0	908.0	0.0	2,468.0	309.0	390.0
2019 Standby												
Improving Workforce Readiness in Punjab Project	EDU	TI-G	IEG, GCD, GEM	CWSS	2019	TBD	100.0	0.0	0.0	100.0	TBD	TBD
Hydropower Development WAPDA Project	ENE	GI	IEG, IEG, PAR	CWEN	2018	TBD	350.0	0.0	0.0	350.0	TBD	TBD
TAPI Gas Pipeline Project, Phase 1	ENE	GI	IEG, IEG, PAR	CWEN	2019	TBD	100.0	0.0	0.0	100.0	TBD	TBD
KP Health System Strengthening, Subprogram 1 (PBL)	HLT	GI, MDG	IEG, GCD, GEM	CWSS	2018	TBD	0.0	50.0	0.0	50.0	TBD	TBD
CAREC Corridor Development Investment Program (Tranche 2, MFF)	TRA	GI	IEG, KNS, RCI	CWTC	2015	TBD	260.0	0.0	0.0	260.0	50.0	TBD
Peshawar Bus Rapid Transit (BRT) Project, Phase 2 (Additional Financing)	TRA	GI	IEG, GEM	CWUW	2015	115.0	100.0	0.0	0.0	100.0	15.0	0.0
Total						TBD	910.0	50.0	0.0	960.0	65.0	TBD
2020 Firm												
Kurram Tangi Water Resources Project	ANR	GI		CWER	2019	TBD	200.0	0.0	0.0	200.0	TBD	430.0
Improving Workforce Readiness in Punjab Project	EDU	TI-G	IEG, GCD, GEM	CWSS	2019	TBD	100.0	0.0	0.0	100.0	TBD	TBD
Hydropower Development WAPDA Project	ENE	GI	IEG, IEG, PAR	CWEN	2018	TBD	150.0	0.0	0.0	150.0	150.0	TBD
Energy Program, Subprogram 2 (PBL)	ENE	GI	GCD, IEG	CWEN	2019	TBD	300.0	0.0	0.0	300.0	TBD	TBD
TAPI Gas Pipeline Project, Phase 1	ENE	GI	IEG, IEG, PAR	CWEN	2019	TBD	100.0	0.0	0.0	100.0	TBD	TBD

Project/Program Name ^a	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
National Disaster Risk Management Fun, Phase 2	FIN	TI-G	IEG, ESG, KNS, PAR, GCD	PRM	CDTA 2016	TBD	0.0	300.0	0.0	300.0	TBD	50.0 ^b
Financial Markets Development, Subprogram 1 (PBL)	FIN	GI	IEG, GCD, PSD	CWPF	2019	300.0	300.0	0.0	0.0	300.0	0.0	0.0
KP Health System Strengthening, Subprogram 1 (PBL)	HLT	GI, MDG	IEG, GCD, GEM	CWSS	2018	TBD	0.0	50.0	0.0	50.0	TBD	TBD
Trade and Competitiveness Program, Subprogram 2 (PBL)	PSM	GI	IEG, GCD, PSD	CWPF	2018	300.0	0.0	300.0	0.0	300.0	0.0	0.0
Second Benazir Income Support Program (BISP) Social Protection Development Program	PSM	TI-H	IEG, GEM	CWPF/CWSS	2016	TBD	300.0	0.0	0.0	300.0	55.0	TBD
CAREC Corridor Development Investment Program (Tranche 2, MFF)	TRA	GI	IEG, KNS, RCI	CWTC	2015	TBD	260.0	0.0	0.0	260.0	50.0	TBD
Peshawar Bus Rapid Transit (BRT) Project, Phase 2 (Additional Financing)	TRA	GI	IEG, GEM	CWUW	2015	115.0	100.0	0.0	0.0	100.0	15.0	0.0
Total						TBD	1,810.0	650.0	0.0	2,460.0	270.0	480.0
2020 Standby												
Smaller Cholistan Water Resources Development Project	ANR	TI-G	IEG, ESG, PAR	CWER	2019	350.0	250.0	0.0	0.0	250.0	20.0	100.0
NTDC Transmission Strengthening (Tranche 1, MFF)	ENE	GI	IEG, IEG,	CWEN	2019	TBD	200.0	0.0	0.0	200.0	TBD	TBD
Second Power Distribution Enhancement Investment Program (Tranche 2, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	NA	460.0	300.0	0.0	0.0	300.0	60.0	100.0 ^b
CAREC Railways Connectivity Development Program	TRA	GI	IEG, RCI, PAR	CWTC	2016	TBD	200.0	0.0	0.0	200.0	TBD	TBD
Punjab Cities Improvement Project	WUS	GI	IEG, GEM, PAR	CWUW	2019	360.0	200.0	0.0	0.0	200.0	10.0	150.0
KP Intermediate Cities Improvement Project (Additional Financing)	WUS	GI	IEG, GEM, PAR	CWUW	2019	160.0	100.0	0.0	0.0	100.0	10.0	50.0
Total						TBD	1,250.0	0.0	0.0	1,250.0	190.0	560.0
2021 Firm												
Smaller Cholistan Water Resources Development Project	ANR	TI-G	IEG, ESG, PAR	CWER	2019	370.0	250.0	0.0	0.0	250.0	20.0	100.0 ^b
KP Water Resources Development Project	ANR	GI	IEG, ESG	CWER	2017	TBD	100.0	0.0	0.0	100.0	30.0	TBD
Gas Transmission Enhancement Project	ENE	GI	IEG, IEG, PAR	CWEN		TBD	150.0	0.0	0.0	150.0	TBD	TBD
NTDC Transmission Strengthening (Tranche 1, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	2017	TBD	150.0	0.0	0.0	150.0	TBD	TBD
Energy Program, Subprogram 3 (PBL)	ENE	GI	IEG, IEG, PAR	CWEN		TBD	300.0	0.0	0.0	300.0	150.0	TBD
Second Power Distribution Enhancement Investment Program (Tranche 2, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	NA	460.0	300.0	0.0	0.0	300.0	60.0	100.0 ^b
Support for Infrastructure Financing and PPPs	FIN	GI	IEG, GCD, PSD	CWPF	2019	TBD	0.0	300.0	0.0	300.0	0.0	0.0
Financial Markets Development, Subprogram 2 (PBL)	FIN	GI	IEG, GCD, PSD	CWPF	N/A	TBD	0.0	300.0	0.0	300.0	0.0	0.0
Support for PPP Investments in Provinces Project	PSM	GI	IEG, GCD, PSD	CWPF	TBD	TBD	100.0	0.0	0.0	100.0	TBD	TBD

Project/Program Name ^a	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
Hyderabad Southern Bypass Project	TRA	GI	IEG, RCI, PAR	CWTC	2018	TBD	150.0	0.0	0.0	150.0	30.0	TBD
CAREC Railways Connectivity Development Program	TRA	GI	IEG, RCI, PAR	CWTC	2016	TBD	200.0	0.0	0.0	200.0	TBD	TBD
KP Intermediate Cities Improvement Project (additional financing)	WUS	GI	IEG, GEM	CWUW	2019	160.0	100.0	0.0	0.0	100.0	10.0	50.0
Punjab Cities Improvement Project	WUS	GI	IEG, GEM	CWUW	2017	360.0	200.0	0.0	0.0	200.0	10.0	150.0
Total						TBD	2,000.0	600.0	0.0	2,600.0	280.0	400.0
2021 Standby												
Greater Cholistan Water Resource Development – Project	ANR	GI	GCD, ESG	CWER	2018	TBD	75.0	0.0	0.0	75.0	TBD	TBD
Sindh Education Sector Improvement Second Project	EDU	TI-G	IEG, GCD, GEM	CWSS	2017	TBD	0.0	75.0	0.0	75.0	TBD	TBD
Hydropower Development Investment Program (Tranche 2, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	2016	TBD	300.0	0.0	0.0	300.0	TBD	190.0
NTDC Transmission Strengthening (Tranche 2, MFF)	ENE	GI	IEG, ESG, PAR	CWEN	2019	TBD	300.0	0.0	0.0	300.0	TBD	TBD
Sindh and Balochistan Energy Development (RBL)	ENE	GI	IEG, ESG, PAR	CWEN	2019	TBD	200.0	0.0	0.0	200.0	TBD	TBD
KP Health System Strengthening Subprogram 2 (PBL)	HLT	GI, MDG	IEG, GCD, GEM	CWSS	2018	TBD	0.0	50.0	0.0	50.0	TBD	TBD
CAREC Corridor Development Investment (Tranche 3, MFF)	TRA	GI	IEG, KNS, RCI, PAR	CWTC	2015	480.0	260.0	0.0	0.0	260.0	60.0	160.0 ^b
Sindh Provincial Road Project, Phase 2	TRA	GI	IEG, RCI, PAR	CWTC	2019	TBD	150.0	0.0	0.0	150.0	TBD	TBD
Sustainable Road Improvement Project (RBL)	TRA	GI	IEG, RCI	CWTC	2019	TBD	150.0	0.0	0.0	150.0	0.0	TBD
Lahore Mass Transit Project	TRA	GI	IEG, GEM, PAR	CWUW	2020	1,050.0	200.0	0.0	0.0	200.0	350.0	500.0
Total						TBD	1,635.0	125.0	0.0	1,760.0	410.0	850.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; CAREC = Central Asia Regional Economic Cooperation; COL = concessional OCR lending; CWEN = Energy Division; CWER = Environment, Natural Resources and Agriculture Division; CWPF = Public Management, Financial Sector and Trade Division; CWSS = Social Sector Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; 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; IEG = inclusive economic growth; KNS = knowledge solutions; KP = Khyber Pakhtunkhwa; MDG = Millennium Development Goal; MFF = multitranches financing facility; NTDC = National Transmission and Despatch Company; OCR = ordinary capital resources; PAR = partnerships; PBL = policy-based lending; PDA = project design advance; PPP = public-private partnership; PRF = project readiness financing; PRM = Pakistan Resident Mission; PSD = private sector development; PSM = public sector management; RBL = results-based lending; RCI = regional cooperation and integration; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-H = targeted intervention—income poverty at the household level; TRA = transport; TRTA = transaction technical assistance; WAPDA = Water and Power Development Authority; WUS = water and other urban infrastructure and services.

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

^b Cofinancing source to be identified.

Source: ADB estimates.

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

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2019								
Kurram Tangi Water Resources Project	ANR	CWER	TRTA		700			700
Market Infrastructure	ANR	CWER	TRTA		500			500
Improving Quality in Higher Education	EDU	CWSS	TRTA		1,000			1,000
Improving Workforce Readiness in Punjab	EDU	CWSS	TRTA	TASF	800			800
Transmission Strengthening MFF	ENE	CWEN	TRTA	TASF	1,500			1,500
Pakistan Energy Sector Development	ENE	CWEN	TRTA-F		1,500			1,500
Benazir Income Support Program (BISP) Program 2	FIN	CWSS/ CWPF	TRTA	TASF	500			500
Supporting Financial Markets Development	PSM, FIN	CWPF	TRTA		1,000			1,000
Urban Sector Program - Urban Economic Diagnostic Study and City Growth Program	WUS	CWUW	TRTA-F	TASF	1,500			1,500
	Total				9,000			9,000
2020								
Financial Inclusion and SME Growth	FIN	CWPF	TRTA		1,000			1,000
Hydropower Development WAPDA	ENE	CWEN	KSTA	TASF	1,500			1,500
Sindh and Balochistan RBL	ENE	CWEN	KSTA	TASF	1,000			1,000
Gas Sector Development	ENE	CWEN	TRTA	TASF	1,500			1,500
Energy Efficiency	ENE	CWEN	TRTA	TASF	1,500			1,500
	Total				6,500			6,500
2021								
Sindh Secondary Education Project 2	EDU	CWSS	TRTA	TASF	800			800
Capacity Building and Policy Support	PSM	PRM	KSTA	TASF	2,000			2,000
Housing Financing	PSM	CWPF	TRTA	TASF	1,000			1,000
KP Tourism Sector Development	PSM	PRM	TRTA	TASF	800			800
Public Sector Management Sector Development	PSM	PRM	TRTA	TASF	800			800
Transport Sector Development	TRA	CWTC	TRTA	TASF	800			800
	Total				6,200			6,200

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CWEN = Energy Division; CWER = Environment, Natural Resources and Agriculture Division; CWPF = Public Management, Financial Sector, and Trade Division; CWSS = Social Sector Division; CWUW = Urban Development and Water Division; EDU = education; ENE = energy; FIN = finance; KP = Khyber Pakhtunkhwa; KSTA = knowledge and support technical assistance; MFF = multitranches financing facility; PRM = Pakistan Resident Mission; PSM = public sector management; RBL = results-based lending; SME = small and medium-sized enterprises; TA = technical assistance; TASF = Technical Assistance Special Fund; TRTA = transaction technical assistance; TRTA-F = TRTA facility; WAPDA = Water and Power Development Authority; WUS = water and other urban infrastructure and services.

Source: ADB estimates.

ASSISTANCE PROGRAM FOR CURRENT YEAR
Table A3.1: Lending Products, 2018

Project/Program Name ^a	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						ADB					Co-finance	
						Total	Regular OCR	COL	ADF Grants	Total		Gov't
2018 Firm												
Jalalpur Irrigation Project	ANR	TI-G	ESG, GEM, IEG	CWER	2013	TBD	274.6	0.0	0.0	274.6	50.0	0.0
Balochistan Water Resources Development Sector Project	ANR	TI-G	GEM, IEG, ESG, PAR	CWER	2014	TBD	0.0	100.0	0.0	100.0	36.1	7.0
Second Power Transmission Enhancement Investment Program (tranche 2, MFF)	ENE	GI	GCD, IEG	CWEN	2014	TBD	260.0	0.0	0.0	260.0	50.0	0.0
Second Power Transmission Enhancement Investment Program (tranche 3, MFF)	ENE	GI	GCD, IEG	CWEN	2014	TBD	280.0	0.0	0.0	280.0	50.0	4.0 ^b
Enhancing PPP Investments in Punjab Province Project	PSM	GI	GCD, IEG, PAR	CWPF	2017	TBD	100.0	0.0	0.0	100.0	25.0	19.6 ^c
KP Provincial Roads Improvement Project	TRA	TI-G	IEG, GEM, PAR	CWTC	2016	TBD	121.5	18.5	0.0	140.0	0.0	0.0
KP Provincial Roads Improvement Project (additional financing)	TRA	TI-G	IEG, GEM, PAR	CWTC	2016	TBD	75.0	0.0	0.0	75.0	14.0	0.0
KP Intermediate Cities Improvement Project (PRF)	WUS	GI	IEG, GEM	CWUW	2017	TBD	7.0	0.0	0.0	7.0	1.0	2.0
Total							1,118.1	118.5	0.0	1,236.6	226.1	32.6

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; CWEN = Energy Division; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector, and Trade Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; ENE = energy; ESG = environmentally sustainable growth; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; IEG = inclusive economic growth; KP = Khyber Pakhtunkhwa; MFF = multitranche financing facility; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PRF = project readiness financing; PPP = public-private partnership; PSM = public sector management; 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.

^a Given the provisional nature of the indicative lending program, the composition of the lending instruments actually delivered may change.

^b High-Level Technology Fund.

^c Department for International Development of the United Kingdom.

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)	
2018 Firm								
Preparing Kurram Tangi Integrated Water Resources Development Project	ANR	CWER	KSTA	TASF	225			225
Balochistan Climate-Resilient Water Resources Management	ANR	CWER	KSTA			JFPR	2,000	2,000
Punjab Sustained Agriculture Growth through Enhanced Agriculture Management	ANR	CWER	KSTA			ADB Trust Fund	2,000	2,000
Developing Electricity Market in Pakistan	ENE	CWEN	KSTA	TASF	700			700
Preparing Hydropower Development Investment Program (Additional Financing)	ENE	CWEN	TRTA	TASF	350			350
Update on the Energy Sector Plan: Distribution and Transmission (additional financing)	ENE	CWEN	KSTA	TASF	550			550
Preparing Lower Palas Hydropower Project	ENE	CWEN	S-TRTA	TASF	225			225
Promoting Investments and Economic Growth through International Trade	PSM	CWPF	KSTA	TASF	500			500
Supporting Trade and Competitiveness Program	PSM	CWPF	TRTA	TASF	750			750
Capacity Building for Structural Transformation, Country Programming and Portfolio Management	PSM	PRM	TRTA	TASF	2,000			2,000
Total					5,300		4,000	9,300

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CWEN = Energy Division; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector, and Trade Division; ENE = energy; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; PRM = Pakistan Resident Mission; PSM = public sector management; S-TRTA = small-scale TRTA; TASF = Technical Assistance Special Fund; TBD = to be determined; TRTA = transaction technical assistance.
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, Sector Group, or Thematic Group	Technical Assistance
Country Diagnostic Study: Pakistan	Economics	Publication and documentation	PRM	
Briefing Notes for the Management and the Board: Pakistan	Economics	Publication and documentation	PRM	
Asian Development Bank and Pakistan: Fact Sheet	Economics	Publication and documentation	PRM	
CAREC Gender Gap Implementation	Gender	Publication and documentation	CWRC	TA (TBD)
Gender video documentary of Peshawar Sustainable Bus Rapid Transit Corridor Project	Gender	Publication and documentation	PRM	Project No. 48289-002
Multi-hazard Vulnerability and Risk Assessment of 5 Project Districts in Punjab	Disaster Risk Management	Publication and documentation	PRM	8912-PAK
Safety Inspection Manual - Standard Operating Procedures (SOPs) and Protocols for Safety Inspection of Dams and Flood Embankments	Disaster Risk Management, Irrigation	Publication and documentation	PRM	8912-PAK
Total number of publications = 5				
Total number of events = 0				

CAREC = Central Asia Regional Economic Cooperation, CWRC = Regional Cooperation and Operations Coordination Division, PRM = Pakistan Resident Mission, TA = technical assistance, TBD = to be determined.

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

Source: Asian Development Bank.

Table A4.2: Additional Knowledge Publications and Events Delivered in 2018

Title of Publication or Event	Subject	Type	Department, Sector Group, or Thematic Group	Technical Assistance
Pakistan's Punjab Basmati Rice Value Chain Analysis	Agriculture and natural resources, economics	Publication and documentation	CWER, ERCD	TA 8578
Information Systems for Balochistan Water Resources	Agriculture and natural resources, water	Website	CWER	TA 8800
Improvement in Hydrological Modeling and Water Assessment in FATA Water Resources Development Project	Agriculture and natural resources	Capacity development	PRM	Loan 3239-PAK
Water Governance in Pakistan's Irrigated Agriculture (Selected Case Studies)	Agriculture and natural resources	Publication and documentation	CWER	TA (TBD)
KP Province City Development Plans	Urban development	Publication and documentation	CWUW	TA 9223
Supporting Economic Corridor Development in Pakistan	Economics	Publication and documentation	PRM	TA (TBD) DFID
Country Performance Assessment: Pakistan	Economics	Publication and documentation	PRM, ERCD	
Conference Session on Regional Economic Corridors in Central and East Asia	Economics, Trade	Knowledge Event	CWRC	TA 8936 (REG)
Compendium of Best Practices in Road Asset Management	Transport	Publication and documentation	CWTC	
Capacity building on public–private partnerships in Sindh as part of the TA on Enhancing Public–Private Partnerships in Sindh	Finance	Capacity development	PRM, CWPF	TA 9239 DFID
Capacity building on public–private partnerships at the provincial and federal government levels	Finance	Capacity development	PRM, CWPF	TA (TBD) DFID
CAREC Road Safety Engineering Manuals: Road Safety Audit and Safer Road Works	Transport	Publication and documentation	CWRC	TA (TBD)
Total number of publications = 8				
Total number of events = 4				

CAREC = Central Asia Regional Economic Cooperation; CWER = Environment, Natural Resources and Agriculture Division; CWPF = Public Management, Financial Sector and Trade Division; CWRC = Regional Cooperation and Operations Coordination Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; DFID = Department for International Development of the United Kingdom; ERCD = Economic Research and Regional Cooperation Department; FATA = federally administered tribal areas; KP = Khyber Pakhtunkhwa; PRM = Pakistan Resident Mission; TA = technical assistance; TBD = to be determined.

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

Source: Asian Development Bank.

Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2019

Item	Nature	Project Number	Sector or Theme	Division
Use of Project Readiness Facility for Punjab Province Urban Development	PLT	51215-001	WUS	CWUW

Total number of innovation, advanced technology, and pilot initiatives = 1

CWUW = Urban Development and Water Division; PLT = pilot initiative; WUS = Water and Other Urban Infrastructure and Services