



Country Operations Business Plan

February 2021

Pakistan
2021–2023

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 4 February 2021)

Currency unit	–	Pakistan rupee/s (PRe/PRs)
PRe1.00	=	\$0.0062
\$1.00	=	PRs160.0

ABBREVIATIONS

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

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) for Pakistan, 2021–2023 of the Asian Development Bank (ADB) is consistent with its country partnership strategy for Pakistan, 2021–2025,¹ which is aligned with the Government of Pakistan’s development strategy, ADB’s Strategy 2030,² and the Sustainable Development Goals. The COBP supports the government’s Vision 2025 and the development plans of the provincial governments.³ About 13% of the pipeline supports the government’s response to the coronavirus disease (COVID-19) pandemic.

2. ADB will continue to help the government achieve its development objectives of economic stabilization, export competitiveness, and strong governance through (i) policy-based lending for government-led policy reforms, including in the areas of domestic resource mobilization, public financial management, energy, and the financial sector; and (ii) projects in small and medium-sized enterprises development, energy, transport, social, water, and other urban infrastructure and services. Project readiness financing and small expenditure financing facility will support implementation readiness and efficient delivery of projects in agriculture, urban, and other sectors. ADB’s COBP will adopt a One ADB multisector approach that brings together all of ADB’s resources to provide integrated solutions to clients. ADB will seek opportunities (i) to mobilize private sector financing and partners for development projects; (ii) to enhance financing and technical assistance support for public–private partnership projects; and (iii) in areas such as climate change, trade finance, small and medium-sized enterprises, insurance, agribusiness, housing, and tourism development. Also, ADB will explore policy-based guarantee and local currency financing to optimize government and private sector financing, and support the development of Pakistan’s capital markets.

3. ADB will increase its nonsovereign operations footprint through an enhanced focus on financial institutions; food security; and infrastructure. ADB also will continue to facilitate trade finance and seek opportunities to support (i) demonstrative projects in logistics and agriculture value chains; and (ii) alternative financing options for micro, small, and medium-sized enterprises. Where feasible, private sector operations will generate synergies with ADB’s public sector assistance by providing blended finance solutions, supporting privatizations, and focusing on public–private partnership opportunities.

II. INDICATIVE RESOURCE PARAMETERS

4. 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 for commitment during 2021–2023 for sovereign operations total \$5,436.3 million, comprising \$3,645.6 million for regular OCR lending and \$1,790.7 million for COL.⁴ The final allocation will depend on, among other factors, available resources, project readiness, and the outcome of the country performance assessments. Cofinancing and funding from other sources,

¹ ADB. 2020. [Country Partnership Strategy: Pakistan, 2021–2025—Lifting Growth Building Resilience, Increasing Competitiveness](#). Manila.

² ADB. 2018. [Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific](#). Manila.

³ Government of Pakistan. 2014. *Pakistan 2025: One Nation One Vision*. Islamabad. <https://www.pc.gov.pk/uploads/vision2025/Pakistan-Vision-2025.pdf> (accessed 9 June 2020). Government of Punjab, Planning and Development Department. *Punjab Growth Strategy 2023*. https://pnd.punjab.gov.pk/system/files/PGS_2023%2019-21-145.pdf#overlay-context=economic_growth_strategy (accessed 6 October 2020).

⁴ Additional resources were provided subsequently for the Khyber Pakhtunkhwa Cities Improvement Project for Pakistan from the ADF-13 thematic pool for \$5.0 million.

including grants from the ADF-13 thematic pool for projects addressing specific challenges, and ADB's nonsovereign operations subject to headroom constraints, will be explored to augment the annual indicative resources available for commitment.⁵

5. The proposed sovereign lending program for 2021–2023 totals \$6,336 million, consisting of \$4,546 million from regular OCR lending and \$1,790 million from COL (which includes 17% over-programming to respond to operational adjustments). Policy-based lending operations for 2021–2023 will be subject to resource and headroom availability under ADB's policy-based lending ceiling. The nonlending program for 2021–2023 is \$23.5 million, inclusive of ADB and other sources, majority of which are transaction technical assistance for projects in the pipeline.

6. The updated country assistance results areas are in Appendix 1; the updated lending and nonlending programs are in Appendixes 3 and 4; and the indicative knowledge products and events for 2020–2021 are in Appendix 5.⁶

⁵ The proposed ADF-13 framework introduces a single thematic pool. ADB's group A countries are eligible, including gap countries of the International Development Association and, on a very selective basis, ADB's group B countries. The single thematic pool addresses thematic priorities in gender equity, climate change adaptation and disaster risk reduction, and regional cooperation and integration, including regional public goods.

⁶ Portfolio at a Glance: Pakistan (accessible from the list of linked documents in Appendix 2).

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2021–2023 ^a	Changes from Last COBP
1. Energy (CPS Strategic Pillar 1: Improving economic management; Strategic Pillar 3: Boosting competitiveness and private sector development)			
Renewable energy capacity increased Efficiency of the energy sector improved	Renewable energy generation Energy efficiency and conservation Electricity transmission and distribution Oil and gas transmission and distribution Energy sector development and institutional reform	Amount: \$1.84 billion (\$1.14 billion regular OCR and \$700 million COL) and \$630 million cofinancing Share of COBP envelope: 29.0%	
2. Transport (CPS Strategic Pillar 1: Improving economic management; Strategic Pillar 3: Boosting competitiveness and private sector development)			
Greater and higher quality connectivity between economies and/or markets	Road transport (nonurban) Rail transport (nonurban) Urban public transport Support for PPPs	Amount: \$1.04 billion (\$980 million regular OCR and \$60 million COL) and \$260 million cofinancing. Share of COBP envelope: 16.4%	
3. Agriculture, natural resources, and rural development (CPS Strategic Pillar 1: Improving economic management; Strategic Pillar 3: Boosting competitiveness and private sector development)			
Rural development enhanced. More efficient and effective use of water for agriculture and people Resilience to climate change and disasters strengthened	Rural market infrastructure Agro-industry, marketing, and trade Irrigation Rural water supply services Water-based natural resources management Agricultural policy, institutional and capacity development Disaster risk management	Amount: \$938 million (\$838 million regular OCR and \$100 million COL) and \$260 million cofinancing Share of COBP envelope: 14.8%	

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2021–2023 ^a	Changes from Last COBP
4. Water and Other Urban Infrastructure and Services (CPS Strategic Pillar 3: Boosting competitiveness and private sector development)			
Coverage, quality, efficiency, and reliability of services in urban areas improved	Urban policy, institutional and capacity development Climate resilience and disaster risk management Urban water supply Urban sanitation Private sector participation	Amount: \$636 million (\$628 million regular OCR and \$8 million COL) and \$600 million cofinancing Share of COBP envelope: 10.0%	
5. Public Sector Management (CPS Strategic Pillar 1: Improving economic management; Pillar 2: Building resilience through strengthening human capital and social protection)			
More efficient and effective public finance management Social protection system improved Legal environment for public sector enterprise improved	Public expenditure and fiscal management Reform of state-owned enterprises Social protection initiatives	Amount: \$658 million (\$400 million regular OCR and \$258 million COL) Share of COBP envelope: 10.4%	
6. Finance (CPS Strategic Pillar 1: Improving economic management; Pillar 3: Boosting competitiveness and private sector development)			
Greater capacity of intermediation, and size of capital markets expanded Access to affordable finance for micro, small, and medium-sized enterprises enhanced Resilience to climate change and disasters strengthened	Money and capital markets; infrastructure finance and investment funds; small and medium-sized enterprises finance and leasing; inclusive finance; finance sector development Support for PPPs; Housing finance; Insurance and contractual savings Disaster risk management	Amount: \$800 million (\$310 million regular OCR and \$490 million COL) Share of COBP envelope: 12.6%	
7. Education (CPS Strategic Pillar 2: Building resilience through strengthening human capital and social protection)			
Access to quality secondary education and technical and vocational education and training increased	Secondary education Support for PPPs	Amount: \$315 million (\$190 million regular OCR and \$125 million COL)	

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2021–2023 ^a	Changes from Last COBP
	Education sector development Technical and vocational education and training Social protection initiatives	Share of COBP envelope: 5.0%	
8. Health (CPS Strategic Pillar 2: Building resilience through strengthening human capital and social protection)			
Access to quality health care services at federal and provincial levels improved	Health system development Health sector development and reform Health insurance and subsidized health programs	Amount: \$110 million (\$60 million regular OCR and \$50 million COL) Share of COBP envelope: 1.7%	

ADB = Asian Development Bank, COBP = country operations business plan, COL = concessional OCR lending, CPS = country partnership strategy, OCR = ordinary capital resources, PPP = public–private partnership.

^a \$15 million has been allocated for the small expenditure financing facility under the water and other urban infrastructure and services and public sector management sectors. The total indicative resource allocation for lending product cofinancing during 2021–2023 is \$1,750 million.

Source: Asian Development Bank estimates.

LIST OF LINKED DOCUMENTS

<http://www.adb.org/Documents/COBP/?id=PAK-2021>

1. Portfolio at a Glance: Pakistan

INDICATIVE ASSISTANCE PIPELINE

Table A3.1: Lending Products, 2021–2023

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB		Gov't	Co-finance		
							Regular OCR	COL			ADF Grants	Total
2021 Firm												
Punjab Agriculture Markets Development Project	ANR	TI-G	OP1, 2, 3, 5, 7	CWER	2019	TBD	100.0			100.0	40.0	
Greater Thal Canal Irrigation Project (Phase 1)	ANR	TI-G	OP3, OP5	CWER	2017	TBD	200.0			200.0	40.0	
Kurram Tangi Water Resources Project (PRF)	ANR	TI-G	OP3, OP5	CWER	2019	TBD	8.0			8.0		
Improving Workforce Readiness in Punjab Project	EDU	TI-G	OP1, OP2	CWSS	2019	TBD	100.0			100.0		
Energy Sector Reforms and Financial Sustainability Program, subprogram 2 (PBL)	ENE	GI	OP6	CWEN	2017	TBD			300.0	300.0		
Balakot Hydropower Development Project	ENE	GI	OP3, OP5	CWEN	2016	TBD	300.0			300.0	175.0	280.0 ^c
Third Capital Market Development Program, subprogram 2 (PBL)	FIN	GI	OP6	CWPF	2019	TBD	10.0	290.0		300.0		
Micro, Small, and Medium-Sized Enterprises: Financial Access, Inclusivity, and Resilience Project	FIN	GI	OP1, OP2, OP6	PRM	2021	TBD	100.0			100.0		
Khyber Pakhtunkhwa Health Systems Strengthening Project (RBL)	HLT	GI	OP1, 2, 6	CWSS	2020	TBD		50.0		50.0		
Integrated Social Protection Development Program (Ehsaas) (RBL)	PSM, EDU, HLT	TI-H	OP1, OP2, OP6	CWPF, CWSS, PRM	2021	TBD	300.0			300.0		
Khyber Pakhtunkhwa Multisector Development and Initiatives (SEFF)	PSM, WUS	GI	OP4, OP5	CWPF, CWUW, PRM	2020	TBD		15.0		15.0		
Punjab Sustainable Highway Development Project	TRA	GI	OP3, OP5	CWTC	2020	TBD	210.0			210.0	50.0	210.0 ^c
Khyber Pakhtunkhwa Cities Improvement Project	WUS	GI	OP2, 3, 4, 5	CWUW	2019	TBD	150.0			150.0 ^b	40.0	150.0 ^c
Khyber Pakhtunkhwa Cities Improvement Project (PRF) (additional financing)	WUS	GI	OP4	CWUW	2019	TBD	6.0			6.0	2.0	
Total							1,484.0	655.0		2,139.0	347.0	640.0

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
2021 Standby												
Naulong Multipurpose Development Project (PRF)	ANR	TI-G	OP3,OP5	CWER	2019	TBD	5.0			5.0		
Second Power Transmission Enhancement Investment Program, tranche 4 (MFF)	ENE	GI	OP3, OP4, OP6	CWEN	2014	TBD	180.0			180.0	20.0	
Hydropower Development Project (WAPDA) (PRF)	ENE	GI	OP3, OP5	CWEN	NA	TBD	10.0			10.0		
Support for Infrastructure Financing and Public-Private Partnerships Project	FIN	GI	OP6	CWPF	2020	TBD		200.0		200.0		
National Disaster Risk Management Fund Project (additional financing)	FIN	GI	OP3	PRM	2020	TBD	100.0			100.0		
Central Asia Regional Economic Cooperation Single Window Trade Facilitation Project	TRA	GI	OP6	CWTC	2020	TBD	50.0			50.0		
Balochistan Urban Development Project (PRF)	WUS	GI	OP4	CWUW	NA	TBD	15.0			15.0		
Punjab Water Supply and Sanitation Project	WUS	GI	OP2, OP3, OP4, OP5	CWUW	2017	TBD	100.0			100.0	60.0	200.0 ^c
Turkmenistan-Afghanistan-Pakistan-India Equity Financing Project	ENE	GI	OP7	CWEN	2019	TBD	116.0			116.0		
Total							576.0	200.0		776.0	80.0	200.0
2022 Firm												
Khyber Pakhtunkhwa Water Resources Development Project	ANR	TI-G	OP3, OP5	CWER	2017	TBD	50.0			50.0	10.0	
Augmentation in Chenab River Flows through Improved Upper Jhelum Canal System Project	ANR	TI-G	OP3, OP5	CWER	2022	TBD	100.0			100.0	20.0	
Building Sustainable Food Security and Climate-Resilient Agriculture Project	ANR	TI-G	OP1, OP3, OP5	CWER	NA	TBD	150.0			150.0		50.0 ^c
Revitalization and Reintegration of River Ravi Project	ANR, WUS	TI-G	OP3, OP5	CWER, CWUW	2020	TBD	100.0			100.0	10.0	
Hydropower Development Project (WAPDA) (PRF)	ENE	GI	OP3, OP6	CWEN	2019	TBD	10.0			10.0		
Energy Sector Reforms and Financial Sustainability Program, subprogram 3 (PBL)	ENE	GI	OP6	CWEN	2017	TBD		400.0		400.0		50.0 ^c
Second Power Transmission Enhancement Investment Program, tranche 4 (MFF)	ENE	GI	OP3, OP4, OP6	CWEN	2014	TBD	180.0			180.0	20.0	

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
Support for Infrastructure Financing and Public-Private Partnerships Project	FIN	GI	OP6	CWPF	2020	TBD		200.0		200.0		
National Disaster Risk Management Fund Project (additional financing)	FIN	GI	OP3	PRM	2020	TBD	100.0			100.0		
Sindh Regional Connectivity Improvement Project	TRA	GI	OP3, OP5	CWTC	2020	TBD	150.0			150.0	27.0	
Central Asia Regional Economic Cooperation Single Window Trade Facilitation Project	TRA	GI	OP6	CWTC	2020	TBD	50.0			50.0		
CAREC Corridor Development Investment Program, tranche 3 (MFF)	TRA	GI	OP7	CWTC	2015	TBD	240.0			240.0	50.0	
Punjab Water Supply and Sanitation Project	WUS	GI	OP2,OP3, OP4, OP5	CWUW	2017	TBD	100.0			100.0	60.0	200.0 ^c
Punjab Livable Cities Sustainable Development Investment Program, tranche 1 (MFF)	WUS	GI	OP2, OP3, OP4, OP5	CWUW	2019	TBD	200.0			200.0	60.0	150.0 ^c
Balochistan Urban Development Project (PRF)	WUS	GI	OP4	CWUW	NA	TBD	15.0			15.0		
Preparing Urban Development Projects for Islamabad and Rawalpindi (PRF)	WUS	GI	OP2, OP3, OP4, OP5	CWUW	NA	TBD	7.0			7.0	2.0	
Total							1,452.0	600.0		2,052.0	259.0	450.0
2022 Standby												
National Highway Rehabilitation and Improvement Project	TRA	GI	OP3, OP5	CWTC	2020	TBD	200.0			200.0	44.0	100.0 ^c
Central Asia Regional Economic Cooperation Railways Connectivity Development Program	TRA	GI	OP7	CWTC	2016	TBD	100.0			100.0		50.0 ^c
Total							300.0			300.0	44.0	150.0
2023 Firm												
DG Khan Canal Irrigated Agriculture Improvement Project	ANR	TI-G	OP3, OP5	CWER	2021	TBD	80.0			80.0	10.0	
Sindh Coastal Resilience Project	ANR	TI-G	OP3	CWER	2020	TBD	100.0			100.0	20.0	10.0 ^c
Climate Policy Sector Development Project	ANR	GI	OP3	CWER	2021	TBD		100.0		100.0		200.0 ^c
Punjab Education Sector Development Project	EDU	TI-G	OP1, OP2	CWSS	2019	TBD		50.0		50.0		
Sindh Secondary Education Investment Project (additional financing)	EDU	TI-G	OP1, OP2	CWSS	2017	TBD		75.0		75.0		

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						Total	ADB		Gov't	Co-finance		
							Regular OCR	COL			ADF Grants	Total
Gas Storage Sector Development Project	ENE	GI	OP3	CWEN	2021	TBD	150.0			150.0		
Power Distribution Strengthening	ENE	GI	OP3	CWEN	2021	TBD	250.0			250.0		50.0 ^c
Power Transmission Strengthening (RBL)	ENE	GI	OP3, OP6	CWEN	2019	TBD	250.0			250.0		250.0 ^c
Enhancing Public-Private Partnerships in Sindh Project (additional financing)	FIN	GI	OP6	CWPF		TBD	100.0			100.0		
Reform of Public Financial Management and State-Owned Enterprises Program (PBL)	PSM	GI	OP6	CWPF	2021	TBD	250.0	250.0		500.0		
Khyber Pakhtunkhwa Rural Road Development Project	TRA	GI	OP3, OP5	CWTC	2020	TBD	90.0	60.0		150.0	30.0	
Central Asia Regional Economic Cooperation Integrated Transport Improvement (Hyderabad Southern Bypass) Project	TRA	GI	OP4, OP5	CWTC	2018	TBD	100.0			100.0	30.0	
Khyber Pakhtunkhwa Economic Corridor Development (Chakdara-Fatehpur Expressway) Project	TRA	GI	OP3, OP5	CWTC	2019	TBD	40.0			40.0		
Central Asia Regional Economic Cooperation Railways Connectivity Development Program	TRA	GI	OP7	CWTC	2016	TBD	100.0			100.0		50.0 ^c
Khyber Pakhtunkhwa Sustainable Urban Mobility Project	WUS	GI	OP4	CWUW	2019	TBD	100.0			100.0	20.0	100.0 ^c
Total							1,610.0	535.0		2,145.0	110.0	660.0
2023 Standby												
Kurram Tangi Water Resources Project	ANR	TI-G	OP3, OP5	CWER		TBD	300.0			300.0	150.0	550.0 ^c
Punjab Modernized Agriculture Enhancement and Markets Development Project	ANR	TI-G	OP5	CWER	2022	TBD	180.0			180.0	10.0	20.0 ^c
Naulong Multipurpose Development Project	ANR	TI-G	OP3, OP5	CWER	2021	TBD	100.0			100.0	50.0	200.0 ^c
Sindh Improved Water Resources and Agriculture Management Project	ANR	TI-G	OP3, OP5	CWER	2020	TBD	100.0			100.0	20.0	

Project/Program Name ^a	Sector	Poverty Targeting	Operational Priority	Division	Year of TRTA/ PRF	Cost (\$ million)						
						ADB					Co-finance	
						Total	Regular OCR	COL	ADF Grants	Total		Gov't
Hydropower Development Program (WAPDA)	ENE	GI	OP3, OP6	CWEN	2019	TBD	300.0			300.0		
Housing Finance Project	FIN	GI	OP6	CWPF	2022	TBD	200.0			200.0		
Insurance Sector Development Program	FIN	GI	OP6	CWPF	2022	TBD	200.0			200.0		
Islamabad Urban Development Project	WUS	GI	OP4	CWUW	2022	TBD	200.0			200.0		
Total							1,580.0			1,580.0	230.0	770.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; CWEN = Energy Division, Central and West Asia Department; CWER = Environment, Natural Resources, and Agriculture Division, Central and West Asia Department; CWPF = Public Management, Financial Sector, and Trade Division, Central and West Asia Department; CWSS = Social Sector Division, Central and West Asia Department; CWTC = Transport Division, Central and West Asia Department; CWUW = Urban Development and Water Division, Central and West Asia Department; EDU = education; ENE = energy; FIN = finance; GI = general intervention; Gov't = government; HLT = health; MFF = multitranches financing facility; OCR = ordinary capital resources; 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; OP7 = fostering regional cooperation and integration; PBL = policy-based lending; PRF = project readiness financing; PRM = Pakistan Resident Mission, Central and West Asia Department; PSM = public sector management; RBL = results-based loan; SEFF = small expenditure financing facility; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TI-H = targeted intervention—income poverty at 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. All PBL operations will be subject to resource availability and available headroom.

^b To address gender equity, an additional \$5.0 million grant will be financed from the ADF-13 thematic pool for this project.

^c Cofinancing sources to be determined.

Source: Asian Development Bank estimates.

Table A3.2: Nonlending Products and Services, 2021–2023

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2021								
Punjab Modernized Agriculture Enhancement	ANR	CWER	TRTA	TASF	500.0			500.0
Sindh Improved Water Resources and Irrigated Agriculture	ANR	CWER	TRTA	TASF	500.0	TBD	500.0	1,000.0
Sindh Coastal Resilience	ANR	CWER	TRTA	TASF			1,300.0	1,300.0
Preparing Sustainable Energy Projects (additional financing)	ENE	CWEN	F-TRTA	TASF	1,000.0			1,000.0
Preparing for Augmentation in Chenab River Flows through Improved Upper Jhelum Canal System	ANR	CWER	TRTA	TASF	500.0			500.0
Gas Storage Sector Development	ENE	CWEN	TRTA	TASF	800.0			800.0
Supporting the Housing Finance/Financial Inclusion	FIN	CWPF	KSTA	TASF	800.0			800.0
Support for Infrastructure Finance and Public–Private Partnerships	FIN	CWPF	TRTA	TASF	800.0			800.0
Insurance Sector Development	FIN	CWPF	TRTA	TASF	800.0			800.0
Preparing the Micro, Small and Medium Enterprise Financial Access, Inclusivity, and Resilience Project	FIN	PRM	TRTA	TASF	1,500.0	Republic of Korea e-Asia & Knowledge Partnership Fund	500.0	2,000.0
Preparing Khyber Pakhtunkhwa Health System Strengthening (RBL)	HLT	CWSS	TRTA		500.0			500.0
Supporting the Public Financial Management	PSM	CWPF	TRTA	TASF	800.0			800.0
Preparing Comprehensive Transport Projects	TRA	CWTC	F-TRTA	TASF	800.0			800.0
Preparing the Urban Public Space Component of the Punjab Intermediate Cities Improvement Investment Project	WUS	CWUW	TRTA			Urban Climate Change Resilience Trust Fund	2,053.6	2,053.6
Preparing Urban Development Projects	WUS	CWUW	F-TRTA	TASF	1,000.0			1,000.0
Total					10,300.0		4,353.6	14,653.6

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2022								
DG Khan Canal Irrigated Agriculture Improvement	ANR	CWER	TRTA	TASF	500.0			500.0
Punjab Agriculture Markets Development (additional financing)	ANR	CWER	TRTA	TASF	500.0			500.0
Naulong Multipurpose Development Project	ANR	CWER	TRTA	TASF	800.0			800.0
Preparing Support for Sindh Secondary Education Investment (additional financing)	EDU	CWSS	TRTA	TASF				800.0
Power Transmission Strengthening (RBL)	ENE	CWEN	F-TRTA	TASF	500.0			500.0
Power Distribution Strengthening	ENE	CWEN	F-TRTA	TASF	500.0			500.0
Sector Development Projects	MUL	PRM	F-TRTA	TASF	2,500.0			2,500.0
Capacity Building for Structural Transformation, Country Programming, and Portfolio Management (Phase 2)	MUL	PRM	KSTA	CEF	1,000.0			1,000.0
Supporting the State-Owned Enterprises Reform Program	PSM	CWPF	TRTA	TASF	500.0			500.0
Central Asia Regional Economic Cooperation Railways Connectivity Development Program	TRA	CWTC	TRTA	TASF	750.0			750.0
Total					8,350.0			8,350.0
2023								
Greater Thal Canal Irrigation (Phase 2)	ANR	CWER	TRTA	TASF	500.0			500.0
Total					500.0			500.0

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CEF = Clean Energy Fund; CWEN = Energy Division, Central and West Asia Department; CWER = Environment, Natural Resources and Agriculture Division, Central and West Asia Department; CWPF = Public Management, Financial Sector, and Trade Division, Central and West Asia Department; CWSS = Social Sector Division, Central and West Asia Department; CWTC = Transport and Communications Division, Central and West Asia Department; CWUW = Urban Development and Water Division, Central and West Asia Department; EDU = education; ENE = energy; FIN = finance; F-TRTA = transaction technical assistance facility; HLT = health; KSTA = knowledge and support technical assistance; MUL = multisector; PRM = Pakistan Resident Mission, Central and West Asia Department; PSM = public sector management; RBL = results-based loan; 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.

INDICATIVE KNOWLEDGE PRODUCTS AND EVENTS

Table A4.1: Knowledge Products and Events for 2021

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Impact Evaluation Study on Technology-Based Agriculture and Marketing in Rural Punjab	Agriculture and natural resources	Publication and documentation	CWER	TA 9463
Multi-Hazard Vulnerability and Risk Assessment of 20 Vulnerable Districts under National Disaster Risk Management Fund	Climate change and disaster risk management	Publication and documentation	PRM	TA 9246
Training for Implementing Agencies/Executing Agencies on APMG Public–Private Partnership Certifications	Finance	Training or capacity development	PRM	TA 9239, TA 9467
Trainings for Anti-Money Laundering/Combating the Financing of Terrorism	Finance	Training or capacity development	PRM	
Third-Generation Bus Rapid Transit: The Experience of Pakistan	Transport	Publication and documentation	CWUW	
Total number of publications = 3				
Total number of events = 2				

APMG = APM Group International (multinational management accreditation body); CWER = Environment, Natural Resources, and Agriculture Division, Central and West Asia Department; CWUW = Urban Development and Water Division, Central and West Asia Department; PRM = Pakistan Resident Mission, Central and West Asia Department; TA = technical assistance.

Source: Asian Development Bank estimates.

Table A4.2: Additional Knowledge Products and Events Delivered in 2020

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group^c	Funding Source
An Assessment of the Ravi River Basin and the Way Forward	Agriculture and natural resources	Publication and documentation	CWER	TA 9463
New Khanki Barrage Project Benefit Study	Agriculture and natural resources	Publication and documentation	CWER/ERCD	TA 9441-REG
COVID-19 Impact on Farm Household in Punjab, Pakistan	Agriculture and natural resources	Publication and documentation	CWER	TA 9838
Analysis of Irrigation Performance to Test a Near Real Time Decision Support System Methodology for Irrigation Canal Management: A Pilot Demonstration Activity in Lower Bari Doab Canal, Pakistan	Agriculture and natural resources	Training or capacity development	CWER	TA 6498-REG
Pakistan Country Diagnostic Study	Economics	Publication and documentation	ERCD, PRM	TA 9325-REG
Policy Frameworks for Supporting Economic Corridor Development	Economics	Publication and documentation	PRM	TA 9488
Multi-Hazard Vulnerability and Risk Assessment of 20 Districts	Climate change and disaster risk management	Publication and documentation	PRM	TA 8912
Pakistan Resident Mission: Finance Sector Knowledge Event – Webinar Series	Finance	Training or capacity development	PRM	TA 9239, TA 9467
Conference on Public–Private Partnerships in Pakistan	Finance	Training or capacity development	PRM	TA 9239
Pakistan National Urban Assessment	Water and other urban infrastructure and services	Publication and documentation	CWUW	
Total number of publications = 7				
Total number of events = 3				

COVID-19 = copronavirus disease; CWER = Environment, Natural Resources, and Agriculture Division, Central and West Asia Department; CWUW = Urban Development and Water Division, Central and West Asia Department; ERCD = Economic Research and Regional Cooperation Department; PRM = Pakistan Resident Mission, Central and West Asia Department; REG = regional; TA = technical assistance.

Source: Asian Development Bank.

Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2021

Item	Nature	Project Number	Sector or Theme	Division
Development of Web-Based Portal for Digital Atlases of 20 Districts' Multi-Hazard Vulnerability and Risk Assessment	PLT	TA 8912	Climate change and disaster risk management	PRM
Information and Communication Technology-Based Farmers' Direct Marketing Platform	PLT	TA 9838	Agriculture and natural resources	CWER
Total number of innovation, advanced technology, and pilot initiatives = 2				

CWER = Environment, Natural Resources, and Agriculture Division, Central and West Asia Department; PLT = pilot initiative; PRM = Pakistan Resident Mission, Central and West Asia Department; TA = technical assistance.

Source: Asian Development Bank.